

Swanscombe Urban District Council.

CERTAIN MATTERS
CONCERNING
PUBLIC HEALTH
1967 - 1972

(PART I)

VITAL STATISTICS
COMMUNICABLE DISEASE

1967-1972

I N D E X

Part I

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URBAN DISTRICT COUNCIL OF SWANSCOMBE

Report for the years 1967-1973
on certain matters concerning Public Health

TO: The Chairman and Members of the
Urban District Council of Swanscombe.

September, 1973

Mr. Chairman, Ladies and Gentlemen,

As soon as practicable after the end of each year it is the duty of a Medical Officer of Health to make to the local authority a report for that year on the sanitary circumstances, on the sanitary administration, on the vital statistics and on any other matters concerning their district on which he considers it desirable to report or on which the Secretary of State requires him to report.

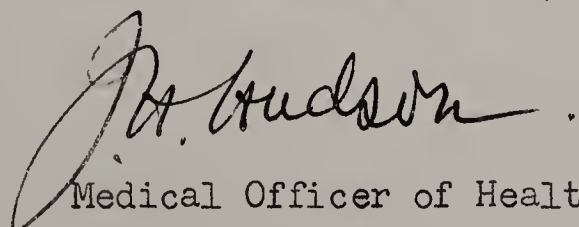
The Medical Officer of Health has also a duty to inform himself as far as practicable respecting all matters affecting or likely to affect the public health in the district for which he is appointed and be prepared to advise the local authority on any such matter.

The tables that follow form part of a report written to contribute to the fulfilment of these duties. It is expedient for the report to cover the six years 1967-1973 and be written in the following three parts:

- I VITAL STATISTICS including statistics of communicable disease.
- II SANITARY CIRCUMSTANCES.
- III COMMENTARY

Part I is submitted herewith.

I am,
Mr. Chairman, Ladies and Gentlemen,
Your obedient servant,


Medical Officer of Health

CERTAIN MATTERS CONCERNING PUBLIC HEALTH REPORT FOR YEARS 1967 - 1972

SWANSCOMBE URBAN DISTRICT

TABLE I. SOCIAL CONDITIONS

Area (acres)	2,142
Population (Census 1931)	8,541
" (Census 1951)	8,433
" (Census 1961)	8,775
" (Census 1971)	9,175

Mid-year home population (Registrar General's estimate)

1967	9,340	1970	9,430
1968	9,400	1971	9,490
1969	9,460	1972	9,530

Number of dwellings assessed to rates:

	31.3.67.	31.3.68.	31.3.69.	31.3.70.	31.3.71.	31.3.72.
Dwellings	2,928	3,040	3,064	3,056	3,104	3,167
Dwellings with shops	70	73	73	72	72	72
Licensed houses	14	13	13	13	13	13
	<u>3,012</u>	<u>3,126</u>	<u>3,150</u>	<u>3,141</u>	<u>3,189</u>	<u>3,252</u>

Rateable Value:	31.3.67.	£555,824	31.3.70.	£578,727
	31.3.68.	£551,810	31.3.71.	£583,643
	31.3.69.	£578,185	31.3.72.	£584,067
			31.3.73.	£586,279 (Est.)

Sum represented by 1p rate:

31.3.67.	£2,301	31.3.70.	£2,357
31.3.68.	£2,212	31.3.71.	£2,373
31.3.69.	£2,411	31.3.72.	£5,076 (1p)
		31.3.73.	£5,166 (1p)

POPULATION. Growth of the population is due to natural increase (i.e. excess of births over deaths) and immigration, both being related to new houses built.

Year	1965	1966	1967	1968	1969	1970	1971	1972
Est. mid-year home population	9,220	9,330	9,340	9,400	9,460	9,430	9,490	9,530
Increase or decrease on previous year	+20	+110	+10	+60	+60	-30	+60	+40
Excess of births over deaths	71	86	93	80	88	45	75	30
Immigration or emigration	-51	+24	-83	-20	-28	-75	-15	+10
Houses built	100	59	107	92	48	88	66	34

TABLE I (continued)

COMPARABILITY FACTORS. When local crude birth and death rates are multiplied by the area comparability factors they are comparable with the rate for England and Wales or with the adjusted rate for any other area. In the last seven years the factors for births (governed by the proportion of women aged 18-44 years) and for deaths (governed by the proportions of all age groups) have been as follows:

Year	1965	1966	1967	1968	1969	1970	1971	1972
Births	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Deaths	1.21	1.21	1.22	1.21	1.23	1.21	1.21	1.16

UNEMPLOYMENT. The number unemployed

	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972
<u>Gravesend</u>										
Men	473	223	181	541	673	743	746	851	1261	1033
Women	68	85	65	115	156	103	123	101	147	117
Boys	101	42	22	56	38	21	57	44	53	55
Girls	34	36	20	37	42	21	17	17	39	25
Persons	676	386	288	749	909	888	943	1013	1500	1230

Dartford

Men	215	191	140	323	425	387	412	467	770	616
Women	60	40	32	36	33	43	38	44	81	58
Boys	15	13	7	7	4	12	9	10	19	12
Girls	10	2	4	4	2	2	5	12	15	2
Persons	300	246	183	370	464	444	462	533	885	688

ILLEGITIMATE BIRTH RATE (per 1000 live births)

	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972
Swanscombe U.D.	64	56	34	24	84	86	49	49	31	96
Dartford B.	46	55	50	58	72	56	49	42	54	47
Dartford R.D.	30	37	44	54	42	39	45	43	54	40
Northfleet U.D.	38	51	39	55	44	49	76	36	56	69
Kent R.D.	51	50	62	53	59	53	57	57	55	54
Kent U.D.	58	65	71	74	79	80	77	68	75	78
Kent A.C.	56	62	68	67	72	72	70	64	68	70
England & Wales	69	72	77	79	84	85	84	83	84	86

TABLE I - (continued)

POPULATION OF YOUNG PERSONS. A guide is necessary to the young population in the district in order that we may form an idea from vaccinations done of the proportion who have been given immunity to certain diseases. A rough estimate can be made from the births which have occurred in the district in the past. This assumes a stable population and does not take into account deaths after one-year of age or the balance of those coming into the district over those leaving.

Year	Births Number	Infant deaths	Infants surviving to 1 year	Age on 31st December						Approximate population at given age on 31st Dec. 1972
				1967	1968	1969	1970	1971	1972	
1972	125	2	123	-5	-4	-3	-2	-1	0	0-4 yrs. 785
1971	163	1	162	-4	-3	-2	-1	0	1	
1970	142	-	142	-3	-2	-1	0	1	2	
1969	182	6	176	-2	-1	0	1	2	3	
1968	185	3	182	-1	0	1	2	3	4	
1967	183	1	182	0	1	2	3	4	5	5-11 yrs. 1107
1966	164	2	162	1	2	3	4	5	6	
1965	148	2	146	2	3	4	5	6	7	
1964	178	3	175	3	4	5	6	7	8	
1963	156	1	155	4	5	6	7	8	9	
1962	154	4	150	5	6	7	8	9	10	12-15 yrs. 476
1961	138	1	137	6	7	8	9	10	11	
1960	136	4	132	7	8	9	10	11	12	
1959	105	5	100	8	9	10	11	12	13	
1958	128	4	124	9	10	11	12	13	14	
1957	123	3	120	10	11	12	13	14	15	16-18 yrs. 386
1956	141	3	138	11	12	13	14	15	16	
1955	126	3	123	12	13	14	15	16	17	
1954	130 *	5	125	13	14	15	16	17	18	
1953	142	3	139	14	15	16	17	18	19	
1952	131	4	127	15	16	17	18	19	20	
1951	136	5	131	16	17	18	19	20	21	
1950	148	4	144	17	18	19	20	21	22	
1949	153	2	151	18	19	20	21	22	23	
1948	161	2	159	19	20	21	22	23	24	
1947	200	2	198	20	21	22	23	24	25	

Approximate population.

Birth Years

Aged 0-4 December 31st	1971	1967 - 71	844
" " " "	1970	1966 - 70	844
" " " "	1969	1965 - 69	848
" " " "	1968	1964 - 68	847
" " " "	1967	1963 - 67	820
Aged 5-11 December 31st	1971	1960 - 66	1057
" " " "	1970	1959 - 65	995
" " " "	1969	1958 - 64	973
" " " "	1968	1957 - 63	918
" " " "	1967	1956 - 62	901

* Should read 128

Approximate population (continued)

Birth Years

Aged 12 - 15 December 31st	1971	1956 - 59	482
" " " "	1970	1955 - 58	505
" " " "	1969	1954 - 57	506
" " " "	1968	1953 - 56	525
" " " "	1967	1952 - 55	514
Aged 16 - 18 December 31st	1971	1953 - 55	387
" " " "	1970	1952 - 54	391
" " " "	1969	1951 - 53	397
" " " "	1968	1950 - 52	402
" " " "	1967	1949 - 51	426

NATURAL INCREASE

	Births	Deaths	Natural increase	Population	Rate of natural increase per 1000 population
1954	130	79	51	8770	5.8
1955	126	80	46	8790	5.2
1956	141	81	60	8900	6.8
1957	123	78	45	8930	5.0
1958	128	83	45	8950	5.0
1959	105	82	23	8940	2.6
1960	136	88	48	9010	5.3
1961	138	88	50	8910	5.6
1962	154	92	62	9040	6.9
1963	156	98	58	9110	6.4
1964	178	76	102	9200	11.1
1965	148	67	81	9220	8.8
1966	164	78	86	9330	9.2
1967	183	90	93	9340	10.0
1968	185	105	80	9400	8.5
1969	182	94	88	9460	9.3
1970	142	97	45	9430	4.8
1971	163	88	75	9490	7.9
1972	125	95	30	9530	3.2

TABLE IIA BIRTHS & DEATHS, 1967, 1968, 1969 - SWANSCOMBE U.D.

	1967			1968			1969			1967/69
	M	F	P	M	F	P	M	F	P	P
Live Births:										
Legitimate	90	81	171	84	85	169	97	76	173	513
Illegitimate	5	7	12	6	10	16	6	3	9	37
	<u>95</u>	<u>88</u>	<u>183</u>	<u>90</u>	<u>95</u>	<u>185</u>	<u>103</u>	<u>79</u>	<u>182</u>	<u>550</u>
Deaths, all causes:	<u>47</u>	<u>43</u>	<u>90</u>	<u>60</u>	<u>45</u>	<u>105</u>	<u>57</u>	<u>37</u>	<u>94</u>	<u>289</u>
Pregnancy, child- birth, abortion:	-	-	-	-	-	-	-	-	-	-
Still Births:										
Legitimate	3	1	4	2	2	4	1	-	1	9
Illegitimate	-	-	-	1	-	1	-	1	1	2
	<u>3</u>	<u>1</u>	<u>4</u>	<u>3</u>	<u>2</u>	<u>5</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>11</u>
Deaths 0-6 days:										
Legitimate	1	2	3	1	-	1	2	1	3	7
Illegitimate	-	-	-	-	-	-	-	-	-	-
	<u>1</u>	<u>2</u>	<u>3</u>	<u>1</u>	<u>-</u>	<u>1</u>	<u>2</u>	<u>1</u>	<u>3</u>	<u>7</u>
Deaths 7-27 days:										
Legitimate	-	-	-	-	-	-	1	-	1	1
Illegitimate	-	-	-	-	-	-	-	-	-	-
	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1</u>	<u>-</u>	<u>1</u>	<u>1</u>
Deaths 28-364 days:										
Legitimate	-	-	-	2	-	2	-	2	2	4
Illegitimate	-	-	-	-	-	-	-	-	-	-
	<u>-</u>	<u>-</u>	<u>-</u>	<u>2</u>	<u>-</u>	<u>2</u>	<u>-</u>	<u>2</u>	<u>2</u>	<u>4</u>
Total under 1 year:										
Legitimate	1	2	3	3	-	3	3	3	6	12
Illegitimate	-	-	-	-	-	-	-	-	-	-
	<u>1</u>	<u>2</u>	<u>3</u>	<u>3</u>	<u>-</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>6</u>	<u>12</u>

	Swanscombe U.D.				England & Wales		
	1967	1968	1969	1967-69	1967	1968	1969
<u>Rates per 1,000 Home Population</u>							
Crude live birth rate	19.6	19.7	19.2	19.5	17.2	16.9	16.3
Live birth rate adjusted by C.F.	19.0	19.1	18.6	18.9	17.2	16.9	16.3
Ratio of local adjusted birth rate to national rate	1.11	1.12	1.14	1.12	1.00	1.00	1.00
Crude death rate	9.6	11.2	9.9	10.2	11.2	11.9	11.9
Death rate adjusted by C.F.	11.7	13.5	12.2	12.5	11.2	11.9	11.9
Ratio of local adjusted death rate to national rate	1.05	1.14	1.02	1.07	1.00	1.00	1.00

Rates per 1,000 Live and Still Births

Maternal death rate	-	-	-	-	0.20	0.24	0.19
Stillbirth rate	21	26	11	19.6	14.8	14.3	13.2
Perinatal death rate (s.bs. & deaths 0-6 days)	37	32	27	32.0	25.4	24.7	23.4

Rates per 1,000 Live Births

Early neonatal death rate (deaths 0-6 days)	16	5	16	12.7	10.8	10.6	10.3
Neonatal death rate (deaths 0-27 days)	16	5	22	14.5	12.5	12.4	12.0
Infant death rate (deaths 0-364 days)	16	16	33	21.9	18.3	18.3	18.1

TABLE IV PERCENTAGE OF DEATHS AT AGES 65-74 and 75+ OF ALL DEATHS

DARTFORD TOWN			DARTFORD R.D.			NORTHFLEET U.D.			SWANSCOMBE U.D.			ENGLAND AND WALES	
65-74	75+	All ages	65-74	75+	All ages	65-74	75+	All ages	65-74	75+	All ages	65-74	75+
1966													
110	199	449	144	258	599	65	97	254	21	30	78		
25%	44%	100%	24%	43%	100%	26%	38%	100%	27%	39%	100%	26%	44%
1967													
108	161	390	154	266	600	68	86	223	25	35	90		
28%	41%	100%	26%	44%	100%	31%	39%	100%	28%	39%	100%	26%	43%
1968													
97	176	418	145	273	622	58	109	224	23	42	105		
23%	42%	100%	23%	44%	100%	26%	49%	100%	22%	40%	100%	26%	45%
1969													
110	154	388	158	286	647	55	105	236	41	28	94		
28%	40%	100%	24%	44%	100%	23%	45%	100%	44%	30%	100%	28%	43%
1970													
138	147	425	177	305	672	70	81	225	30	35	97		
33%	35%	100%	26%	45%	100%	31%	36%	100%	31%	36%	100%	27%	44%
1971													
139	171	435	161	351	711	73	126	277	30	37	88		
32%	39%	100%	23%	49%	100%	26%	45%	100%	34%	42%	100%	27%	45%
1972													
112	184	423	180	327	721	66	105	241	33	37	95		
27%	43%	100%	25%	45%	100%	27%	44%	100%	35%	39%	100%		

TABLE IB continued BIRTHS & DEATHS, 1970, 1971, 1972 - SWANSCOMBE U.D.

	1970			1971			1972			1970/72
	M	F	P	M	F	P	M	F	P	P
Live Births:										
Legitimate	75	60	135	84	74	158	60	53	113	406
Illegitimate	<u>3</u>	<u>4</u>	<u>7</u>	<u>3</u>	<u>2</u>	<u>5</u>	<u>9</u>	<u>3</u>	<u>12</u>	<u>24</u>
	<u>78</u>	<u>64</u>	<u>142</u>	<u>87</u>	<u>76</u>	<u>163</u>	<u>69</u>	<u>56</u>	<u>125</u>	<u>430</u>
Deaths, all causes:										
	53	44	97	47	41	88	58	37	95	280
Pregnancy, child- birth, abortion:	-	-	-	-	-	-	-	-	-	-
Still Births:										
Legitimate	1	-	1	3	1	4	3	1	4	9
Illegitimate	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
	<u>1</u>	<u>-</u>	<u>1</u>	<u>3</u>	<u>1</u>	<u>4</u>	<u>3</u>	<u>1</u>	<u>4</u>	<u>9</u>
Deaths 0-6 days:										
Legitimate	-	-	-	-	-	-	1	-	1	1
Illegitimate	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1</u>	<u>-</u>	<u>1</u>	<u>1</u>
Deaths 7-27 days:										
Legitimate	-	-	-	-	-	-	-	-	-	-
Illegitimate	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Deaths 28-364 days:										
Legitimate	-	-	-	1	-	1	-	1	1	2
Illegitimate	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
	<u>-</u>	<u>-</u>	<u>-</u>	<u>1</u>	<u>-</u>	<u>1</u>	<u>-</u>	<u>1</u>	<u>1</u>	<u>2</u>
Total under 1 year:										
Legitimate	-	-	-	1	-	1	1	1	2	3
Illegitimate	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
	<u>-</u>	<u>-</u>	<u>-</u>	<u>1</u>	<u>-</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>3</u>

	Swanscombe U.D.				England & Wales		
	1970	1971	1972	1970/72	1970	1971	1972
<u>Rates per 1000 Home Population</u>							
Crude live birth rate	15.1	17.2	13.1	15.1	16.0	16.0	14.8
Live birth rate adjusted by C.F.	14.6	16.7	12.7	14.6	16.0	16.0	14.8
Ratio of local adjusted birth rate to national rate	0.92	1.04	0.86	0.94	1.00	1.00	1.00
Crude death rate	10.3	9.3	10.0	9.8	11.7	11.6	12.1
Death rate adjusted by C.F.	12.5	11.3	11.6	11.8	11.7	11.5	12.1
Ratio of local adjusted death rate to national rate	1.07	0.97	0.96	1.00	1.00	1.00	1.00

TABLE IIB (contd).

Swanscombe U.D.				England & Wales				
1970	1971	1972	1970/72	1970	1971	1972		
<u>Rates per 1000 Live and Still Births</u>								
Maternal death rate	-	-	-	0.18	0.17	0.15		
Stillbirth rate	7	24	31	20.6	13	12		
Perinatal death rate (s.bs. & deaths 0-6 days)	7	24	39	22.8	23	22		
<u>Rates per 1000 Live Births</u>								
Early neonatal death rate (deaths 0-6 days)	-	-	8	2.3	11	-	10	
Neonatal death rate (deaths 0-27 days)	-	-	8	2.3	12	-	12	
Infant death rate (deaths 0-364 days)	Total	-	6	16	7.0	18	18	17
	Legitimate	-	6	18	7.4	17	17	17
	Illegitimate	-	-	-	-	26	24	21

TABLE V DEATHS IN HOSPITAL AS PERCENTAGE OF ALL DEATHS

	Dartford Town		Dartford R.D. (non-institutional)		Northfleet U.D.		Swanscombe U.D.
	All ages	75+	All ages	75+	All ages	75+	All ages
1966	74%	79%	69%	57%	51%	43%	63%
1967	74%	75%	62%	62%	51%	47%	62%
1968	75%	72%	63%	60%	54%	48%	64%
1969	75%	68%	67%	57%	57%	53%	65%
1970	77%	76%	67%	62%	60%		69%
1971	78%	83%	66%	61%	56%		59%
1972			67%		55%		71%

TABLE IIC MATERNAL DEATHS, STILLBIRTHS AND INFANT DEATHS SWANSCOMBE U.D.

	Maternal Deaths	Live Births	Still Births	Total Births	Rate ^o /oo total births Maternal Deaths	Still Births
1932	1	147	4	151	7	27
1933-36	-	483	17	500	-	34.0
1937	1	132	4	136	7	30
1938-46	-	1131	37	1168	-	31.7
1947-56	-	1474	26	1500	-	17.4
1957-66	-	1420	24	1444	-	16.7
1967-72	-	980	20	1000	-	20.0

Cumulative

1932-36	1	630	21	651	1.54	32.2
1937-46	1	1263	41	1304	0.77	31.4
1937-56	1	2737	67	2804	0.36	23.8
1937-66	1	4157	91	4248	0.24	21.5
1937-72	1	5137	111	5248	0.19	21.2

Stillbirths

8th rev. ICD	Code	Sex	7th rev. ICD	Code	Sex
1972 Condition of placenta	770.1	M	1967 Cord condition	736.0	M
" Toxaemia of pregnancy	762.1	M	" Placental condition	736.6	M
" Spina bifida	741.9	F	" Toxaemia	732.4	F
" Anoxia n.e.c.	776.3	M	" Cert. of cause unavailable		
1971 Other maternal conditions	761.1	F	1966 Anencephalus	738.0	F
" Congen. hydrocephalus	742	M	" Cord condition	736.0	F
" Unknown cause	779.9	M			
" Toxaemia of pregnancy	762.3	M			
1970 Other muscle anomalies	756.8	M			
1969 Spina bifida	741.9	F			
" Toxaemia of pregnancy	762.3	M			
1968 Anencephalus	740	F			
" "	740	F			
" Conditions of placenta	770.9	M			
" " " "	770.9	M			
" Cert. of cause unavailable					

Infant Deaths

8th rev. ICD	Code	Age	7th rev. ICD	Code	Age
1972 Anoxic condition	776.2	M 1 day	1967 Congen. malformation	759.2	F 1 hr.
" Viral pneumonia	480	F 5 mths.	" Atelectasis	762.0	M 1 hr.
1971 Acute myocarditis	422	M 2 mths.	" "	762.0	F 13 hrs.
1969 Congen. hydrocephalus	742	F 1 hr.	1966 Erythroblastosis	770.0	M 3 hrs.
" Immaturity	777	M 1 day	" Atelectasis	762.5	M 18 hrs.
" "	777	M 1 day	1965 Intracranial injury	760.0	M 12 hrs.
" Interstitial pneumonia	484	M 3 wks.	" Immaturity	776	F 1 day
" Acute tracheitis	464	F 4 mths.	1964 Atelectasis	762.5	F 2 days
" Accidental suffoc'n.	E913.0	F 11 mths.	" Pemphigus	766	F 2 wks.
1968 Immaturity	777	M 9 hrs.	" Spina bifidia	751	F 3 mths.
" Assault by strang'n.	E963	M 13 wks.			
" Congenit. syndromes	759.9	M 6 mths.			

* at home, remainder in hospital

TABLE IIIA
CAUSES OF DEATH ACCORDING TO AGE AND SEX

Swanscombe U.D.

General Register Office Return

1967

Short list number	Cause of death	Sex	All ages	Under 4 wks	4 wks - 11 mos	1 - 4 yrs	5 - 14 yrs	15 - 24 yrs	25 - 34 yrs	35 - 44 yrs	45 - 54 yrs	55 - 64 yrs	65 - 74 yrs	75+
10	Malignant neoplasm, stomach	M	1	1	1	1	1	1	1	1	1	1	1	1
		F	1	1	1	1	1	1	1	1	1	1	1	1
11	Malignant neoplasm, lung, bronchus	M	3	1	1	1	1	1	1	1	1	1	1	1
		F	3	1	1	1	1	1	1	1	1	1	2	1
14	Other malignant and lymphatic neoplasms	M	9	1	1	1	1	1	1	1	1	3	2	2
		F	4	1	1	1	1	1	1	1	1	1	1	1
16	Diabetes	M	1	1	1	1	1	1	1	1	1	1	1	1
		F	2	1	1	1	1	1	1	1	1	1	1	1
17	Vascular lesions of nervous system	M	3	1	1	1	1	1	1	1	1	1	1	2
		F	6	1	1	1	1	1	1	1	1	1	2	3
18	Coronary disease, Angina	M	12	1	1	1	1	1	1	1	1	1	7	4
		F	9	1	1	1	1	1	1	1	1	1	2	6
19	Hypertension with heart disease	M	1	1	1	1	1	1	1	1	1	1	1	1
		F	1	1	1	1	1	1	1	1	1	1	1	1
20	Other heart disease	M	3	1	1	1	1	1	1	1	1	1	2	1
		F	4	1	1	1	1	1	1	1	1	1	1	2
21	Other circulatory disease	M	3	1	1	1	1	1	1	1	1	2	1	1
		F	2	1	1	1	1	1	1	1	1	1	1	2
23	Pneumonia	M	6	1	1	1	1	1	1	1	1	1	2	2
		F	3	1	1	1	1	1	1	1	1	1	1	2
24	Bronchitis	M	3	1	1	1	1	1	1	1	1	1	1	2
		F	1	1	1	1	1	1	1	1	1	1	1	1
25	Other diseases of respiratory system	M	1	1	1	1	1	1	1	1	1	1	1	1
		F	1	1	1	1	1	1	1	1	1	1	1	1
26	Ulcer of stomach and duodenum	M	1	1	1	1	1	1	1	1	1	1	1	1
		F	1	1	1	1	1	1	1	1	1	1	1	1
31	Congenital malformations	M	1	1	1	1	1	1	1	1	1	1	1	1
		F	1	1	1	1	1	1	1	1	1	1	1	1
32	Other defined and ill-defined diseases	M	2	1	1	1	1	1	1	1	1	1	1	1
		F	6	1	1	1	1	1	1	1	1	1	2	2
34	All other accidents	M	1	1	1	1	1	1	1	1	1	1	1	1
		F	1	1	1	1	1	1	1	1	1	1	1	1
36	Homicide and operations of war	M	1	1	1	1	1	1	1	1	1	1	1	1
		F	1	1	1	1	1	1	1	1	1	1	1	1
	Total all causes	M	47	1	1	1	1	1	1	1	3	10	14	16
		F	43	2	1	1	1	2	1	3	4	11	19	

TABLE IIIB CAUSES OF DEATH ACCORDING TO AGE AND SEX

Registrar General's Return

1968

Swanscombe U.D.

Short list Number	Cause of Death	All ages	0 -	4 wks-	1 yr-	5 yrs-	15 yrs-	25 yrs-	35 yrs-	45 yrs-	55 yrs-	65 yrs-	75+
Males	All causes	60	1	2	1	1	1	1	3	9	12	13	20
B4	Enteritis and other diarrhoeal diseases	-	-	-	-	-	-	-	-	-	-	-	-
B5	Tuberculosis of respiratory system	1	-	-	-	-	-	-	-	-	1	-	-
B19(1)	Malignant neoplasm -	2	-	-	-	-	-	-	-	-	1	1	-
B19(2)	Malignant neoplasm -lung, bronchus	6	-	-	-	-	-	-	-	2	-	3	1
B19(6)	Other malignant neoplasms, etc.	5	-	-	-	-	-	-	-	-	1	1	3
B20	Benign and unspecified neoplasms	1	-	-	-	-	-	-	-	-	-	1	-
B21	Diabetes mellitus	1	-	-	-	-	-	-	-	-	-	1	-
B23	Anaemias	-	-	-	-	-	-	-	-	-	-	-	-
B26	Chronic rheumatic heart disease	-	-	-	-	-	-	-	-	-	-	-	-
B28	Ischaemic heart disease	14	-	-	-	-	-	-	1	3	5	2	3
B29	Other forms of heart disease	4	-	-	-	-	-	-	-	1	1	-	2
B26(5)	Other diseases of circulatory system	5	-	-	-	-	-	-	-	-	-	2	3
B30	Cerebrovascular disease	3	-	-	-	-	-	-	-	1	-	-	2
B32	Pneumonia	6	-	-	-	-	-	-	-	1	1	1	3
B33(1)	Bronchitis and emphysema	2	-	-	-	-	-	-	-	-	1	-	1
B46(6)	Other diseases of respiratory system	1	-	-	-	-	-	-	-	-	-	-	1
B36	Intestinal obstruction and hernia	1	-	-	-	-	-	-	1	-	-	-	-
B46(7)	Other diseases of digestive system	1	-	-	-	-	-	-	-	1	-	-	-
B46(8)	Other diseases, genito-urinary system	1	-	-	-	-	-	-	-	-	-	1	-
B46(10)	Diseases of musculo-skeletal system	2	-	-	-	-	-	-	-	-	1	-	1
B42	Congenital anomalies	1	-	1	-	-	-	-	-	-	-	-	-
B44	Other causes of perinatal mortality	1	1	-	-	-	-	-	-	-	-	-	-
BE48	All other accidents	1	-	-	-	-	-	-	1	-	-	-	-
BE50	All other external causes	1	-	1	-	-	-	-	-	-	-	-	-
Females	All causes	45	-	-	-	-	1	1	2	1	8	10	22
B4	Enteritis and other diarrhoeal diseases	1	-	-	-	-	1	-	-	-	-	-	-
B5	Tuberculosis of respiratory system	-	-	-	-	-	-	-	-	-	-	-	-
B19(1)	Malignant neoplasm - stomach	-	-	-	-	-	-	-	-	-	-	-	-
B19(2)	Malignant neoplasm - lung, bronchus	1	-	-	-	-	-	-	-	-	1	-	-
B19(3)	Malignant neoplasm - breast	1	-	-	-	-	-	-	-	-	-	1	-
B19(6)	Other malignant neoplasms etc.	5	-	-	-	-	-	1	1	-	2	-	1
B20	Benign and unspecified neoplasms	-	-	-	-	-	-	-	-	-	-	-	-
B21	Diabetes mellitus	-	-	-	-	-	-	-	-	-	-	-	-
B23	Anaemias	1	-	-	-	-	-	-	-	-	-	-	1
B26	Chronic rheumatic heart disease	1	-	-	-	-	-	-	-	-	-	1	-
B28	Ischaemic heart disease	10	-	-	-	-	-	-	-	-	1	3	6
B29	Other forms of heart disease	2	-	-	-	-	-	-	-	1	-	-	1
B46(5)	Other diseases of circulatory system	3	-	-	-	-	-	-	-	-	-	-	3
B30	Cerebrovascular disease	7	-	-	-	-	-	-	1	-	3	1	2
B32	Pneumonia	8	-	-	-	-	-	-	-	-	-	1	7
B33(1)	Bronchitis and emphysema	3	-	-	-	-	-	-	-	-	-	2	1
B46(6)	Other diseases of respiratory system	-	-	-	-	-	-	-	-	-	-	-	-
B36	Intestinal obstruction and hernia	-	-	-	-	-	-	-	-	-	-	-	-
B46(7)	Other diseases of digestive system	2	-	-	-	-	-	-	-	-	1	1	-
B46(8)	Other diseases, genito-urinary system	-	-	-	-	-	-	-	-	-	-	-	-
B46(10)	Diseases of musculo-skeletal system	-	-	-	-	-	-	-	-	-	-	-	-
B42	Congenital anomalies	-	-	-	-	-	-	-	-	-	-	-	-
B44	Other causes of perinatal mortality	-	-	-	-	-	-	-	-	-	-	-	-
BE48	All other accidents	-	-	-	-	-	-	-	-	-	-	-	-
BE50	All other external causes	-	-	-	-	-	-	-	-	-	-	-	-

TABLE IIIC CAUSES OF DEATH ACCORDING TO AGE AND SEX

Registrar General's Return

1969

Swanscombe U.D.

Short list Number	Cause of Death	Males	All ages											
				0 -	4 wks -	1 yr -	5 yrs -	15 yrs -	25 yrs -	35 yrs -	45 yrs -	55 yrs -	65 yrs -	75+
B19(1)	Malignant neoplasm, buccal cavity etc.		1	-	-	-	-	-	-	1	-	-	-	-
B19(3)	Malignant neoplasm, stomach		4	-	-	-	-	-	-	-	-	-	2	2
B19(4)	Malignant neoplasm, intestine		1	-	-	-	-	-	-	-	-	-	1	-
B19(6)	Malignant neoplasm, lung, bronchus		5	-	-	-	-	-	-	-	-	2	1	2
B19(10)	Leukaemia		1	-	-	-	-	-	-	-	1	-	-	-
B19(11)	Other malignant neoplasms		3	-	-	-	-	-	1	-	-	-	2	-
B21	Diabetes mellitus		-	-	-	-	-	-	-	-	-	-	-	-
B46(3)	Mental disorders		1	-	-	-	-	-	-	-	-	-	-	1
B28	Ischaemic heart disease		17	-	-	-	-	-	-	-	1	3	11	2
B29	Other forms of heart disease		1	-	-	-	-	-	-	-	-	-	1	-
B46(5)	Other diseases of circulatory system		3	-	-	-	-	-	-	-	-	-	2	1
B30	Cerebrovascular disease		2	-	-	-	-	-	-	-	-	-	1	1
B32	Pneumonia		6	1	-	-	-	-	-	-	-	1	2	2
B33(1)	Bronchitis and emphysema		7	-	-	-	-	-	-	-	-	-	4	3
B46(6)	Other diseases of respiratory system		-	-	-	-	-	-	-	-	-	-	-	-
B46(8)	Other diseases, genito-urinary system		2	-	-	-	-	-	-	-	-	1	1	-
B42	Congenital anomalies		-	-	-	-	-	-	-	-	-	-	-	-
B44	Other causes of perinatal mortality		2	2	-	-	-	-	-	-	-	-	-	-
B45	Symptoms and ill-defined conditions		-	-	-	-	-	-	-	-	-	-	-	-
BE47	Motor vehicle accidents		1	-	-	-	-	-	-	-	-	-	1	-
BE48	All other accidents		-	-	-	-	-	-	-	-	-	-	-	-
	All causes		57	3	-	-	-	-	1	1	2	7	29	14

TABLE IIIC CAUSES OF DEATH ACCORDING TO AGE AND SEX

Registrar General's Return 1969 Swanscombe U.D.

Short list Number	Cause of Death	Females											
		All ages	0 -	4 wks-	1 yr-	5 yrs-	15 yrs-	25 yrs-	35 yrs-	45 yrs-	55 yrs-	65 yrs-	75+
B19(1)	Malignant neoplasm, buccal cavity etc.	-	-	-	-	-	-	-	-	-	-	-	-
B19(3)	Malignant neoplasm, stomach	2	-	-	-	-	-	-	-	1	1	-	-
B19(4)	Malignant neoplasm, intestine	1	-	-	-	-	-	-	-	1	-	-	-
B19(6)	Malignant neoplasm, lung, bronchus	2	-	-	-	-	-	-	-	-	2	-	-
B19(7)	Malignant neoplasm, breast	2	-	-	-	-	-	-	-	-	1	1	-
B19(10)	Leukaemia	-	-	-	-	-	-	-	-	-	-	-	-
B19(11)	Other malignant neoplasms	2	-	-	-	-	-	-	1	1	-	-	-
B21	Diabetes mellitus	2	-	-	-	-	-	-	-	1	-	1	-
B46(3)	Mental disorders	-	-	-	-	-	-	-	-	-	-	-	-
B28	Ischaemic heart disease	10	-	-	-	-	-	-	-	1	7	2	-
B29	Other forms of heart disease	3	-	-	-	-	-	-	-	1	-	2	-
B46(5)	Other diseases of circulatory system	-	-	-	-	-	-	-	-	-	-	-	-
B30	Cerebrovascular disease	5	-	-	-	-	-	-	1	-	1	3	-
B32	Pneumonia	3	-	-	-	-	-	-	-	-	-	3	-
B33(1)	Bronchitis and emphysema	1	-	-	-	-	-	-	-	-	-	1	-
B46(6)	Other diseases of respiratory system	1	-	1	-	-	-	-	-	-	-	-	-
B46(8)	Other diseases, genito-urinary system	-	-	-	-	-	-	-	-	-	-	-	-
B42	Congenital anomalies	1	1	-	-	-	-	-	-	-	-	-	-
B44	Other causes of perinatal mortality	-	-	-	-	-	-	-	-	-	-	-	-
B45	Symptoms and ill defined conditions	1	-	-	-	-	-	-	-	-	-	1	-
BE47	Motor vehicle accidents	-	-	-	-	-	-	-	-	-	-	-	-
BE48	All other accidents	1	-	1	-	-	-	-	-	-	-	-	-
	All causes	37	1	2	-	1	-	-	2	6	12	14	-

TABLE IIID CAUSES OF DEATH ACCORDING TO AGE AND SEX

Registrar General's Return

1970

Swanscombe U.D.

Short list Number	Cause of Death	Males	All ages											
				0 -	4 wks-	1 yr-	5 yrs-	15 yrs-	25 yrs-	35 yrs-	45 yrs-	55 yrs-	65 yrs-	75+
B19(2)	Malignant neoplasm, desophagus		2	1	1	1	1	1	1	1	1	1	1	1
B19(3)	Malignant neoplasm, stomach		2	1	1	1	1	1	1	1	1	1	1	1
B19(4)	Malignant neoplasm, intestine		2	1	1	1	1	1	1	1	1	1	1	1
B19(6)	Malignant neoplasm, lung, bronchus		3	1	1	1	1	1	1	1	1	3	1	1
B19(9)	Malignant neoplasm, prostate		2	1	1	1	1	1	1	1	1	1	1	1
B19(10)	Leukaemia		1	1	1	1	1	1	1	1	1	1	1	1
B19(11)	Other malignant neoplasms		1	1	1	1	1	1	1	1	1	1	1	1
B21	Diabetes mellitus		1	1	1	1	1	1	1	1	1	1	1	1
B46(1)	Other endocrine etc. diseases		1	1	1	1	1	1	1	1	1	1	1	1
B46(3)	Mental disorders		1	1	1	1	1	1	1	1	1	1	1	1
B26	Chronic rheumatic heart disease		1	1	1	1	1	1	1	1	1	1	1	1
B27	Hypertensive disease		1	1	1	1	1	1	1	1	1	1	1	1
B28	Ischaemic heart disease		20	1	1	1	1	1	1	5	5	5	5	5
B29	Other forms of heart disease		4	1	1	1	1	1	1	1	1	3	1	3
B46(6)	Other diseases of circulatory system		1	1	1	1	1	1	1	1	1	1	1	1
B30	Cerebrovascular disease		3	1	1	1	1	1	1	1	1	1	1	1
B32	Pneumonia		2	1	1	1	1	1	1	1	1	1	1	1
B33(1)	Bronchitis and emphysema		4	1	1	1	1	1	1	1	1	1	2	2
B46(7)	Other diseases of respiratory system		1	1	1	1	1	1	1	1	1	1	1	1
B34	Peptic ulcer		1	1	1	1	1	1	1	1	1	1	1	1
B46(8)	Other diseases of digestive system		3	1	1	1	1	1	1	1	1	1	1	1
BE48	All other accidents		2	1	1	1	2	1	1	1	1	1	1	1
BE50	All other external causes		1	1	1	1	1	1	1	1	1	1	1	1
	All causes		53	1	1	1	2	1	1	11	10	13	15	15

TABLE IIID CAUSES OF DEATH ACCORDING TO AGE AND SEX

Registrar General's Return 1970 Swanscombe U.D.

Short list Number	Cause of death		All ages											
				0 -	4 wks-	1 yr-	5 yrs-	15 yrs-	25 yrs-	35 yrs-	45 yrs-	55 yrs-	65 yrs-	75+
		<u>Females</u>												
B19(2)	Malignant neoplasm, desophagus		-	-	-	-	-	-	-	-	-	-	-	-
B19(3)	Malignant neoplasm, stomach		-	-	-	-	-	-	-	-	-	-	-	-
B19(4)	Malignant neoplasm, intestine		-	-	-	-	-	-	-	-	-	-	-	-
B19(6)	Malignant neoplasm, lung, bronchus		2	-	-	-	-	-	-	-	-	1	-	1
B19(7)	Malignant neoplasm, breast		2	-	-	-	-	-	-	-	-	-	2	-
B19(10)	Leukaemia		1	-	-	-	-	-	-	-	-	-	1	-
B19(11)	Other malignant neoplasms		-	-	-	-	-	-	-	-	-	-	-	-
B21	Diabetes mellitus		1	-	-	-	-	-	-	-	-	-	1	-
B46(1)	Other endocrine etc. diseases		1	-	-	-	-	-	-	-	-	1	-	-
B46(3)	Mental disorders		1	-	-	-	-	-	-	-	-	-	-	1
B26	Chronic rheumatic heart disease		1	-	-	-	-	-	-	-	-	1	-	-
B27	Hypertensive disease		2	-	-	-	-	-	-	-	-	-	-	2
B28	Ischaemic heart disease		12	-	-	-	-	-	-	-	1	1	6	4
B29	Other forms of heart disease		7	-	-	-	-	-	-	-	-	-	5	2
B46(6)	Other diseases of circulatory system		2	-	-	-	-	-	-	-	-	1	1	-
B30	Cerebrovascular disease		5	-	-	-	-	-	-	-	-	-	-	5
B32	Pneumonia		4	-	-	-	-	-	-	-	-	-	-	4
B33(1)	Bronchitis and emphysema		-	-	-	-	-	-	-	-	-	-	-	-
B46(7)	Other diseases of respiratory system		1	-	-	-	-	-	-	-	-	1	-	-
B34	Peptic ulcer		1	-	-	-	-	-	-	-	-	-	1	-
B46(8)	Other diseases of digestive system		1	-	-	-	-	-	-	-	-	-	-	1
BE48	All other accidents		-	-	-	-	-	-	-	-	-	-	-	-
BE52	All other external causes		-	-	-	-	-	-	-	-	-	-	-	-
	All causes		44	-	-	-	-	-	-	-	1	6	17	20

TABLE IIIIE CAUSES OF DEATH ACCORDING TO AGE AND SEX

Registrar General's Return 1971 Swanscombe U.D.

Short List Number	Cause of Death	Males and Females		Sex	All ages	0 -	4 wks-	1 yr-	5 yrs-	15 yrs-	25 yrs-	35 yrs-	45 yrs-	55 yrs-	65 yrs-	75+
B19(4)	Malignant neoplasm, intestine	M	1													
		F	2											1		1
B19(6)	Malignant neoplasm, lung, bronchus	M	1													1
		F	2											1	1	
B19(7)	Malignant neoplasm, breast	M														
		F	3										2			1
B19(9)	Malignant neoplasm, prostate	M	2												1	1
B19(10)	Leukaemia	M	1											1		
		F														
B19(11)	Other malignant neoplasms	M	2												1	1
		F	5									2		1	2	
B20	Benign and unspecified neoplasms	M														
		F	1													1
B21	Diabetes mellitus	M														
		F	2									1			1	
B46	Other endocrine etc. diseases	M														
		F	1												1	
B46(5)	Other diseases of nervous system	M	1											1		
		F														
B26	Chronic rheumatic heart disease	M	2									2				
		F														
B28	Ischaemic heart disease	M	18											1	8	9
		F	10											1	4	5
B29	Other forms of heart disease	M	2		1											1
		F	2													2
B46(6)	Other diseases of circulatory system	M	4											1	2	1
		F	2													2
B30	Cerebrovascular disease	M	6									1			1	4
		F	7									1		1	3	2
B32	Pneumonia	M	3											1	1	1
		F	3												1	2
B33(1)	Bronchitis and emphysema	M	3												2	1
		F	1													1
B46(7)	Other diseases of respiratory system	M	1												1	
		F														
BE48	All other accidents	M	1											1		
		F														
	All causes	M	47		1							3		6	17	20
		F	41									4	2	5	13	17

TABLE IIIF CAUSES OF DEATH ACCORDING TO AGE AND SEX

Registrar General's Return 1972 Swanscombe U.D.

Short List Number	Cause of Death	Males	All ages												
				0 -	4 wks-	1 yr-	5 yrs-	15 yrs-	25 yrs-	35 yrs-	45 yrs-	55 yrs-	65 yrs-	75 +	
B19 (1)	Malignant neoplasm, buccal cavity etc.		1	-	-	-	-	-	-	-	-	1	-	-	
B19 (3)	Malignant neoplasm, stomach		1	-	-	-	-	-	-	-	-	-	-	1	
B19 (4)	Malignant neoplasm, intestine		-	-	-	-	-	-	-	-	-	-	-	-	
B19 (6)	Malignant neoplasm, lung, bronchus		7	-	-	-	-	-	-	-	-	-	6	1	
B19 (7)	Malignant neoplasm, breast		-	-	-	-	-	-	-	-	-	-	-	-	
B19 (10)	Leukaemia		-	-	-	-	-	-	-	-	-	-	-	-	
B19 (11)	Other malignant neoplasms		1	-	-	-	-	-	-	-	-	1	-	-	
B20	Benign and unspecified neoplasms		-	-	-	-	-	-	-	-	-	-	-	-	
B21	Diabetes mellitus		-	-	-	-	-	-	-	-	-	-	-	-	
B46 (1)	Other endocrine etc. diseases		3	-	-	-	-	-	-	-	1	-	1	1	
B46 (2)	Other diseases of blood etc.		1	-	-	-	-	-	-	-	-	-	-	1	
B46 (5)	Other diseases of nervous system		2	-	-	-	-	-	-	-	-	1	-	1	
B27	Hypertensive disease		1	-	-	-	-	-	-	-	-	-	-	1	
B28	Ischaemic heart disease		16	-	-	-	-	-	-	-	1	2	10	3	
B29	Other forms of heart disease		1	-	-	-	-	-	-	-	-	-	1	-	
B46 (6)	Other diseases of circulatory system		4	-	-	-	-	-	-	-	-	-	1	3	
B30	Cerebrovascular disease		3	-	-	-	-	-	-	-	-	-	2	1	
B32	Pneumonia		6	-	-	-	-	-	-	-	-	2	1	3	
B33(1)	Bronchitis and emphysema		1	-	-	-	-	-	-	-	-	-	1	-	
B46 (7)	Other diseases of respiratory system		-	-	-	-	-	-	-	-	-	-	-	-	
B34	Peptic ulcer		1	-	-	-	-	-	-	-	1	-	-	-	
B37	Cirrhosis of liver		-	-	-	-	-	-	-	-	-	-	-	-	
B46 (8)	Other diseases of digestive system		2	-	-	-	-	-	-	-	-	-	1	1	
B38	Nephritis and nephrosis		1	-	-	-	-	-	-	-	-	-	-	1	
B46 (11)	Diseases of musculo-skeletal system		1	-	-	-	-	-	-	-	-	-	1	-	
B43	Birth injury, difficult labour etc.		1	1	-	-	-	-	-	-	-	-	-	-	
BE47	Motor vehicle accidents		1	-	-	-	-	-	-	-	-	-	1	-	
BE48	All other accidents		1	-	-	-	-	-	-	-	1	-	-	-	
BE49	Suicide and self-inflicted injuries		2	-	-	-	-	-	-	1	-	1	-	-	
	All causes		58	1	-	-	-	-	-	1	4	8	26	18	

TABLE III F CAUSES OF DEATH ACCORDING TO AGE AND SEX

Registrar General's Return 1972 Swanscombe U.D.

Short List Number	Cause of Death	Females	All ages												
				0 -	4 wks-	1 yr-	5 yrs-	15 yrs-	25 yrs-	35 yrs-	45 yrs-	55 yrs-	65 yrs-	75 +	
B19 (1)	Malignant neoplasm, buccal cavity etc.		1	1	1	1	1	1	1	1	1	1	1	1	
B19 (3)	Malignant neoplasm, stomach		1	1	1	1	1	1	1	1	1	1	1	1	
B19 (4)	Malignant neoplasm, intestine		1	1	1	1	1	1	1	1	1	1	1	1	
B19 (6)	Malignant neoplasm, lung bronchus		1	1	1	1	1	1	1	1	1	1	1	1	
B19 (7)	Malignant neoplasm, breast		2	1	1	1	1	1	1	1	1	1	1	1	
B19 (10)	Leukaemia		1	1	1	1	1	1	1	1	1	1	1	1	
B19 (11)	Other malignant neoplasms		3	1	1	1	1	1	1	1	1	1	1	1	
B20	Benign and unspecified neoplasms		1	1	1	1	1	1	1	1	1	1	1	1	
B21	Diabetes mellitus		1	1	1	1	1	1	1	1	1	1	1	1	
B46(1)	Other endocrine etc. diseases		1	1	1	1	1	1	1	1	1	1	1	1	
B46 (2)	Other diseases of blood etc.		1	1	1	1	1	1	1	1	1	1	1	1	
B46 (5)	Other diseases of nervous system		1	1	1	1	1	1	1	1	1	1	1	1	
B27	Hypertensive disease		1	1	1	1	1	1	1	1	1	1	1	1	
B28	Ischaemic heart disease		6	1	1	1	1	1	1	1	1	2	3	3	
B29	Other forms of heart disease		1	1	1	1	1	1	1	1	1	1	1	1	
B46 (6)	Other diseases of circulatory system		4	1	1	1	1	1	1	1	1	1	1	4	
B30	Cerebrovascular disease		7	1	1	1	1	1	1	1	1	2	3	3	
B32	Pneumonia		7	1	1	1	1	1	1	1	1	1	5	5	
B33 (1)	Bronchitis and emphysema		1	1	1	1	1	1	1	1	1	1	1	1	
B46 (7)	Other diseases of respiratory system		1	1	1	1	1	1	1	1	1	1	1	1	
B34	Peptic ulcer		1	1	1	1	1	1	1	1	1	1	1	1	
B37	Cirrhosis of liver		1	1	1	1	1	1	1	1	1	1	1	1	
B46 (8)	Other diseases of digestive system		1	1	1	1	1	1	1	1	1	1	1	1	
B38	N ephritis and nephrosis		1	1	1	1	1	1	1	1	1	1	1	1	
B46 (11)	Diseases of musculo-skeletal system		1	1	1	1	1	1	1	1	1	1	1	1	
B43	Birth injury, difficult labour etc.		1	1	1	1	1	1	1	1	1	1	1	1	
BE47	Motor vehicle accidents		1	1	1	1	1	1	1	1	1	1	1	1	
BE49	Suicide and self-inflicted injuries		1	1	1	1	1	1	1	1	1	1	1	1	
	All causes		37	1	1	1	1	1	1	1	3	6	7	19	

TABLE VI 8th REVISION INTERNATIONAL CLASSIFICATION OF DISEASE
CHANGES IN MAIN GROUPS OF DISEASES FROM 1968

CIRCULATORY DISEASE (I.C.D. 410-468, 7th Revision)

Coronary Disease, Angina. From 1968 and onwards the group is given the heading Ischaemic heart disease. Cardiovascular degeneration (422.1 7th revision, 412 8th revision) is added to the previous pre-1968 group of causes.

Hypertension with heart disease. From 1968 onwards this is expanded and given the heading hypertensive disease. Malignant hypertension 445 (7th rev.) 400 (8th rev.) essential benign hypertension 444 (7th revision) 401 (8th), hypertensive renal disease 446 (7th) 403 (8th) are added.

Other heart disease. This group is divided into two groups: (after transferring cardiovascular degeneration 422.1 (7th) 412 (8th) to ischaemic heart disease above). Chronic rheumatic heart disease 393-398 (8th) and other forms of heart disease 420-429 (8th).

Other circulatory disease. This heading is changed to other disease of circulatory system 440-458 (8th revision). Added are: infarction of mesenteric artery 444.2 (8th revision) 570.2 (7th revision) and portal thrombosis 452 (8th revision) 583 (7th revision). Transferred to hypertensive disease and thus removed are malignant hypertension, benign hypertension and hypertensive renal disease where heart not involved 400.0.2.3, 401 403 (8th revision). Removed also is systemic lupus erythematosus 734.1 (8th revision) 456 part (7th revision).

RESPIRATORY DISEASE (I.C.D. 470-527, 763, 7th Revision)

We have the same headings as before namely: influenza, pneumonia, bronchitis, other diseases of respiratory system. Asthma is given its own heading from 1968 on but as it was excluded from the main group before 1968 we will continue to exclude it from 1968 onwards.

Influenza 480-483, (7th revision) 470-474 (8th revision). No change.

Pneumonia 490-493, 763, (7th revision) 480-486 (8th revision). From 1968 onwards bronchiolitis is excluded 491 (7th revision) 466 (8th revision).

Bronchitis 500-502 (7th revision) 490-492 (8th revision). From 1968 onwards acute bronchitis is excluded 500 (7th revision) 466 (8th revision). Emphysema (without mention of bronchitis) is added 527.1 (7th revision) 492 (8th revision).

Other diseases of respiratory system. Transferred to this heading from the previous heading are acute bronchitis and bronchiolitis. Added is hay fever 240 (7th revision) 507 (8th revision). Transferred from this heading to bronchitis heading is emphysema without mention of bronchitis.

For the main group heading i.e. Respiratory Disease the only change is the addition of hay fever. Asthma 493 (8th revision) has been excluded.

MALIGNANT NEOPLASMS (I.D.C. 140-205, 7th Revision)

Malignant neoplasms of stomach. There is no change in the content of this heading.

Malignant neoplasms, lung, bronchus. From 1968 onwards malignant neoplasm of the pleura 162.2 (7th revision) 163 (8th revision) is removed from this heading.

Malignant neoplasm, breast. There is no change.

Malignant neoplasm, uterus. From 1968 onwards carcinoma in situ is excluded from this heading 171 (part) (7th revision) 234.0 (8th revision).

Leukaemia, aleukaemia. No change.

Other malignant and lymphatic neoplasms. Transferred from previous headings: malignant neoplasm of pleura. Added: polycythaemia vera 294 (7th revision) 208 (8th revision), myelofibrosis 292.3 (7th revision) 209 (8th revision).

For the main group heading, i.e. Malignant neoplasms. No change except for removal of carcinoma in situ.

VASCULAR LESION OF C.N.S. (I.C.D. 330-334, 7th Revision)

The heading is changed to Cerebrovascular disease but there is no change in diseases represented.

TABLE VII MAIN CAUSES OF DEATH - SWANS COMBE U.D.

Year	All Causes	Main ² Causes	Other Causes	Circ. ² disease	Cancer ²	Vasc.les ² C.N.S.	Resp. ² disease
(a) Aged under 75 years							
1967	55	45	10	18	16	4	7
1968	63	49	14	21	15	6	7
1969	66	58	8	27	19	3	9
1970	62	53	9	32	15	2	4
1971	51	46	5	20	13	7	6
1972	<u>58</u>	<u>45</u>	<u>13</u>	<u>19</u>	<u>12</u>	<u>6</u>	<u>8</u>
1967-72	<u>355</u>	<u>296</u>	<u>59</u>	<u>137</u>	<u>90</u>	<u>28</u>	<u>41</u>
(b) Aged over 75 years							
1967	35	31	4	16	4	5	6
1968	42	40	2	18	5	4	13
1969	28	25	3	7	5	4	9
1970	35	32	3	16	3	6	7
1971	37	36	1	20	5	6	5
1972	<u>37</u>	<u>31</u>	<u>6</u>	<u>14</u>	<u>5</u>	<u>4</u>	<u>8</u>
1967-72	<u>214</u>	<u>195</u>	<u>19</u>	<u>91</u>	<u>27</u>	<u>29</u>	<u>48</u>
(c) All Ages							
1967	90	76	14	34	20	9	13
1968	105	89	16	39	20	10	20
1969	94	83	11	34	24	7	18
1970	97	85	12	48	18	8	11
1971	88	82	6	40	18	13	11
1972	<u>95</u>	<u>76</u>	<u>19</u>	<u>33</u>	<u>17</u>	<u>10</u>	<u>16</u>
1967-72	<u>569</u>	<u>491</u>	<u>78</u>	<u>228</u>	<u>117</u>	<u>57</u>	<u>89</u>

PERCENTAGE OF ALL CAUSES

Aged 0-74 Years							
1967-72	100%	83%	17%	39%	25%	8%	12%
Aged 75 and Over							
1967-72	100%	91%	9%	42%	13%	14%	22%
All Ages							
1967-72 S'combe	100%	86%	14%	40%	21%	10%	16%
1969 Eng' & Wales	100%	85%	15%	37%	20%	14%	15%
1969 G'r London	100%	85%	15%	36%	22%	11%	16%
1969 Northfleet	100%	82%	18%	35%	21%	15%	11%
1969 D'ford R.D.	100%	83%	17%	30%	23%	14%	16%

PERCENTAGE OF ALL DEATHS AGED 75 AND OVER

1967-72 S'combe	38%	40%	24%	40%	23%	51%	54%
1969 Eng' & Wales	43%	45%	34%	49%	27%	59%	47%
1969 G'ter London	43%	46%	31%	49%	28%	60%	53%
1969 Northfleet	44%	40%	43%	48%	18%	63%	52%
1969 D'ford R.D.	44%	46%	38%	50%	18%	69%	55%

Presumed health objective

100% 100% 100% 100% 100% 100% 100%

² Notes on I.C.D. disease headings and the groups of diseases represented appear elsewhere in this report.

TABLE VIII MAIN CAUSES OF DEATH - RESPIRATORY DISEASE

Year or Year Groups	Home Populations or aggregates thereof	Deaths from Resp. disease	Crude death rate o/oo	Compar- ability factor	Adjusted death rate	Deaths all causes	Percentage of all causes
SWANS COMBE U.D.							
1958	8,950	18	2.01	1.22	2.46	83	22%
1959	8,940	8	0.90	1.23	1.11	82	10%
1960	9,010	8	0.89	1.23	1.10	88	9%
1961	8,910	15	1.68	1.23	2.07	88	17%
1962	9,040	17	1.88	1.23	2.32	92	19%
1963	9,110	8	0.88	1.22	1.07	98	8%
1964	9,200	8	0.87	1.22	1.06	76	11%
1965	9,220	9	0.98	1.21	1.18	67	13%
1966	9,330	11	1.18	1.21	1.43	78	14%
1967	9,340	13	1.39	1.22	1.70	90	15%
1958-67	<u>91,050</u>	<u>115</u>	<u>1.26</u>	<u>1.22</u>	<u>1.54</u>	<u>842</u>	<u>13.7%</u>
1968	9,400	20	2.13	1.21	2.54	105	19%
1969	9,460	18	1.90	1.23	2.22	94	19%
1970	9,430	11	1.17	1.21	1.33	97	11%
1971	9,490	11	1.16	1.21	1.41	88	13%
1972	9,530	16	1.68	1.16	1.95	95	17%
1968-72	<u>47,310</u>	<u>76</u>	<u>1.61</u>	<u>1.20</u>	<u>1.93</u>	<u>479</u>	<u>15.9%</u>
NORTHFLEET U.D.							
1958-67	228,020	276	1.21	1.22	1.48	2,084	13.3%
1968-72	129,760	139	1.07	1.22	1.30	1,203	11.5%
DARTFORD R.D.							
1958-67	554,040	867	1.57	1.09	1.71	5,438	16.0%
1968-72	323,650	617	1.91	1.09	2.08	3,373	18.3%
DARTFORD TOWN							
1958-67	436,470	656	1.50	not available		4,342	15.1%
1968	44,510	68	1.52	"	"	418	16%
1969	44,280	62	1.40	"	"	388	16%
1970	44,260	60	1.36	"	"	428	14%
1971	43,110	59	1.37	"	"	435	14%
LONDON ADMINISTRATIVE COUNTY							
1958-64	22,352,700	40,308	1.81	1.00	1.81	263,681	15.3%
GREATER LONDON							
1965-67	23,743,160	35,982	1.52	1.01	1.54	260,801	13.8%
1968	7,759,500	14,630	1.88	1.01	1.90	90,287	16.2%
1969	7,703,400	13,972	1.81	1.01	1.83	88,640	15.8%
1970	7,612,280	13,716	1.81	1.01	1.83	86,071	15.9%
1971	7,418,020	12,502	1.68	1.01	1.70	85,000	14.7%
ENGLAND AND WALES							
	Thousands						
1958-67	467,642	690,197	1.48	1.00	1.48	5,453,264	12.7%
1968	48,343	83,290	1.71	1.00	1.71	576,754	14.4%
1969	48,550	84,829	1.73	1.00	1.73	579,378	14.6%
1970	48,673	84,904	1.74	1.00	1.74	575,194	14.7%
1971	48,815	73,364	1.50	1.00	1.50	567,262	13.0%

TABLE IX MAIN CAUSES OF DEATH - BRONCHITIS

Year or Year Groups	Home Populations or aggregates thereof	Deaths from Bronchitis	Crude death rate °/oo	Compar- ability factor	Adjusted death rate	Deaths all causes	Percentage of all causes
SWANSCOMBE U.D.							
1958	8,950	10	1.12	1.22	1.37	83	12%
1959	8,940	3	.34	1.23	.42	82	4%
1960	9,010	4	.44	1.23	.54	88	5%
1961	8,910	8	.90	1.23	1.11	88	9%
1962	9,040	7	.77	1.23	.95	92	8%
1963	9,110	3	.33	1.22	.40	98	3%
1964	9,200	4	.45	1.22	.55	76	5%
1965	9,220	3	.33	1.21	.40	67	4%
1966	9,330	5	.54	1.21	.65	78	6%
1967	9,340	3	.32	1.22	.39	90	3%
1958-67	91,050	50	.55	1.22	.67	842	5.9%
1968	9,400	5	.53	1.21	.64	105	5%
1969	9,460	8	.85	1.23	1.05	94	9%
1970	9,430	4	.42	1.21	.51	97	4%
1971	9,490	4	.42	1.21	.51	88	5%
1972	9,530	2	.21	1.16	.25	95	2%
1968-72	47,310	23	.49	1.20	.59	479	4.8%
NORTHFLEET U.D.							
1958-67	228,020	145	0.64	1.22	0.78	2,084	6.9%
1968-72	129,760	45	0.35	1.22	0.43	1,203	3.7%
DARTFORD R.D.							
1958-67	554,040	349	0.63	1.09	0.69	5,438	6.5%
1968-72	323,650	194	0.60	1.09	0.65	3,373	5.8%
DARTFORD TOWN							
1958-67	436,470	284	0.65	not available		4,342	6.6%
1968	44,510	13	0.29	"	"	418	3%
1969	44,280	26	0.59	"	"	388	7%
1970	44,260	11	0.25	"	"	428	3%
1971	43,110	14	0.32	"	"	435	3%
LONDON ADMINISTRATIVE COUNTY							
1958-64	22,352,700	19,346	0.88	1.00	0.88	263,681	7.3%
GREATER LONDON							
1965-67	23,743,160	14,478	0.61	1.01	0.62	360,801	5.5%
1968	7,759,500	5,297	0.67	1.01	0.68	90,287	5.9%
1969	7,703,400	5,417	0.70	1.01	0.71	88,640	6.1%
1970	7,612,280	4,813	0.63	1.01	0.64	86,071	5.6%
1971	7,418,020	4,431	0.60	1.01	0.61	85,000	5.2%
ENGLAND AND WALES							
Thousands							
1958-67	467,642	302,902	0.61	1.00	0.61	5,453,264	5.5%
1968	48,593	31,310	0.64	1.00	0.64	576,754	5.4%
1969	48,905	32,630	0.67	1.00	0.67	579,378	5.6%
1970	48,673	28,936	0.59	1.00	0.59	575,194	5.0%
1971	48,815	27,171	0.56	1.00	0.56	567,262	4.8%

TABLE X ASTHMA (I C D 493)

Year	Population	Deaths from asthma	Crude death rate	Deaths all causes	Asthma as % all causes
SWANSCOMBE U.D.					
1968	9,400	-	-	105	-
1969	9,460	-	-	94	-
1970	9,430	-	-	97	-
1971	9,490	-	-	88	-
1972	<u>9,530</u>	-	-	<u>95</u>	-
1968-72	47,310	-	-°/°°	479	-
NORTHFLEET U.D.					
1968	25,090	-	-	224	-
1969	25,450	1	.04°/°°	236	0.4%
1970	25,600	-	-	225	-
1971	26,660	-	-	277	-
1972	<u>26,960</u>	<u>2</u>	<u>.07°/°°</u>	<u>241</u>	<u>0.8%</u>
1968-72	129,760	3	.023°/°°	1203	0.25%
DARTFORD M.B.					
1968	46,510	-	-	612	-
1969	46,280	-	-	556	-
1970	46,260	1	.02°/°°	692	0.15%
1971	45,110	-	-	690	-
1972	<u>45,250</u>	<u>-</u>	<u>-</u>	<u>615</u>	<u>-</u>
1968-72	229,410	1	.004°/°°	3165	0.03%
DARTFORD R.D.					
1968	63,450	1	.02°/°°	622	0.2%
1969	64,670	1	.02°/°°	647	0.2%
1970	65,000	2	.03°/°°	672	0.3%
1971	64,730	4	.06°/°°	711	0.6%
1972	<u>65,800</u>	<u>4</u>	<u>.06°/°°</u>	<u>721</u>	<u>0.6%</u>
1968-72	323,650	12	.037°/°°	3373	0.36%
SWANSCOMBE U.D., NORTHFLEET U.D., DARTFORD M.B. and R.D.					
1968-72					
S'combe	47,310	-	-	479	-
N'fleet	129,760	3	.023°/°°	1203	0.25%
D'ford M.B.	229,410	1	.004°/°°	3165	0.03%
D'ford R.D.	<u>323,650</u>	<u>12</u>	<u>.037°/°°</u>	<u>3373</u>	<u>0.36%</u>
	730,130	16	.022°/°°	8220	0.19%
GREATER LONDON					
1968	7,759,500	225	.03°/°°	90287	0.25%
1969	7,773,400	233	.03°/°°	88640	0.26%
1970	7,612,280	207	.03°/°°	86071	0.24%
1971	7,418,020	182	.02°/°°	85000	0.21%
1972	<u>7,353,810</u>	<u>189</u>	<u>.03°/°°</u>	<u>86462</u>	<u>0.22%</u>
1968-72	37,917,010	1036	.027°/°°	436460	0.237%
ENGLAND AND WALES					
1968	48,593,000	1456	.030°/°°	576754	0.25%
1969	48,905,000	1327	.027°/°°	579378	0.23%
1970	48,987,700	1245	.025°/°°	575194	0.22%
1971	48,815,000	1198	.026°/°°	567262	0.21%
1972	<u>49,028,900</u>	<u>1267</u>	<u>.026°/°°</u>	<u>591907</u>	<u>0.21%</u>
1968-72	244,329,600	6493	.0265°/°°	2890495	0.224%

TABLE XI MAIN CAUSES OF DEATH - MALIGNANT NEOPLASM, LUNG BRONCHUS

Year or Year Groups	Home Populations or aggregates thereof	Lung Cancer deaths	Crude death rate o/oo	Compar- ability factor	Adjusted death rate	Deaths all causes	Percentage of all causes
SWANSCOMBE U.D.							
1958	8,950	6	.67	1.22	.82	83	7%
1959	8,940	6	.67	1.23	.82	82	7%
1960	9,010	8	.89	1.23	1.09	88	9%
1961	8,910	3	.34	1.23	.42	88	3%
1962	9,040	2	.22	1.23	.27	92	2%
1963	9,110	5	.55	1.22	.67	98	5%
1964	9,200	4	.44	1.22	.54	76	5%
1965	9,220	4	.43	1.21	.52	67	6%
1966	9,330	6	.64	1.21	.78	78	8%
1967	<u>9,340</u>	<u>6</u>	<u>.64</u>	<u>1.22</u>	<u>.78</u>	<u>90</u>	<u>7%</u>
1958-67	<u>91,050</u>	<u>50</u>	<u>.55</u>	<u>1.22</u>	<u>.67</u>	<u>842</u>	<u>5.9%</u>
1968	9,400	7	.75	1.21	.91	105	7%
1969	9,460	7	.74	1.23	.91	94	7%
1970	9,430	5	.53	1.21	.61	97	5%
1971	9,490	3	.32	1.21	.39	88	3%
1972	<u>9,530</u>	<u>7</u>	<u>.73</u>	<u>1.16</u>	<u>.85</u>	<u>95</u>	<u>7%</u>
1968-72	<u>47,310</u>	<u>29</u>	<u>.61</u>	<u>1.20</u>	<u>.73</u>	<u>479</u>	<u>6.1%</u>
NORTHFLEET U.D.							
1958-67	<u>228,020</u>	<u>103</u>	<u>0.45</u>	<u>1.22</u>	<u>0.55</u>	<u>2,184</u>	<u>4.7%</u>
1968	25,090	9	0.36	1.24	0.45	224	4%
1969	25,450	13	0.51	1.21	0.62	236	6%
1970	25,600	14	0.55	1.22	0.67	225	6%
1971	26,660	17	0.66	1.22	0.81	277	6%
1972	<u>26,960</u>	<u>10</u>	<u>0.37</u>	<u>1.21</u>	<u>0.45</u>	<u>241</u>	<u>4%</u>
1968-72	<u>129,760</u>	<u>63</u>	<u>0.49</u>	<u>1.22</u>	<u>0.60</u>	<u>1,203</u>	<u>5.2%</u>
DARTFORD R.D.							
1958-67	554,040	247	0.45	1.09	0.49	5,438	4.5%
1968-72	323,650	179	0.55	1.09	0.60	3,373	5.3%
DARTFORD TOWN							
1958-67	436,470	232	0.53	not	available	4,342	5.4%
1968	44,510	17	0.38	"	"	418	4%
1969	44,280	13	0.29	"	"	388	3%
1970	44,260	35	0.79	"	"	428	8%
1971	43,110	30	0.70	"	"	435	7%
LONDON ADMINISTRATIVE COUNTY							
1958-64	22,352,700	15,166	0.68	1.00	0.68	263,681	5.8%
GREATER LONDON							
1965-67	23,743,160	17,027	0.72	1.01	0.73	260,801	6.5%
1968	7,759,500	5,740	0.74	1.01	0.75	90,287	6.4%
1969	7,703,400	5,748	0.75	1.01	0.76	88,640	6.5%
1970	7,612,280	5,714	0.75	1.01	0.76	86,071	6.6%
1971	7,418,020	5,770	0.78	1.01	0.79	85,000	6.7%
ENGLAND AND WALES							
Thousands							
1958-67	467,642	240,952	0.52	1.00	0.52	5,453,264	4.8%
1968	48,593	28,836	0.59	1.00	0.59	576,754	5.0%
1969	48,905	29,768	0.61	1.00	0.61	579,378	5.1%
1970	48,988	30,281	0.62	1.00	0.62	575,213	5.3%
1971	48,815	30,746	0.63	1.00	0.63	567,345	5.4%

TABLE XII MAIN CAUSES OF DEATH - CORONARY DISEASE

Year or Year Groups	Home Populations or aggregates thereof	Coronary disease deaths	Crude death rate o/oo	Compar- ability factor	Adjusted death rate	Deaths all causes	Percentage of all causes
SWANSCOMBE U.D.							
1958	8,950	13	1.45	1.22	1.77	83	16%
1959	8,940	19	2.13	1.23	2.62	82	23%
1960	9,010	25	2.77	1.23	3.40	88	28%
1961	8,910	17	1.91	1.23	2.34	88	19%
1962	9,040	13	1.44	1.23	1.77	92	14%
1963	9,110	27	2.96	1.22	3.61	98	28%
1964	9,200	19	2.06	1.22	2.51	76	27%
1965	9,220	14	1.52	1.21	1.83	67	21%
1966	9,330	22	2.36	1.21	2.45	78	28%
1967	9,340	21	2.25	1.22	2.74	90	23%
1958-67	91,050	190	2.09	1.22	2.56	842	22.6%
1968	9,400	24	2.55	1.21	3.09	105	23%
1969	9,460	27	2.85	1.23	3.50	94	29%
1970	9,430	32	3.40	1.21	4.12	97	33%
1971	9,490	28	2.96	1.21	3.58	88	32%
1972	9,530	22	2.31	1.16	2.68	95	23%
1968-72	47,310	133	2.81	1.20	3.37	479	27.8%
NORTHFLEET U.D.							
1958-67	228,020	365	1.60	1.22	1.95	2,084	17.5%
1968-72	129,760	287	2.22	1.22	2.70	1,203	24.9%
DARTFORD R.D.							
1958-67	554,040	1,067	1.93	1.09	2.12	5,438	19.6%
1968-72	323,650	767	2.37	1.09	2.59	3,373	22.8%
DARTFORD TOWN							
1958-67	436,470	855	1.96	not available		3,050	18.7%
1968	44,510	91	2.05	"	"	418	22%
1969	44,280	105	2.37	"	"	388	27%
1970	44,260	88	1.97	"	"	428	21%
1971	43,110	119	2.75	"	"	435	27%
LONDON ADMINISTRATIVE COUNTY							
1958-64	22,352,700	46,584	2.09	1.00	2.09	263,681	17.7%
GREATER LONDON							
1965-67	23,743,160	54,186	2.28	1.01	2.30	260,801	20.7%
1968	7,759,500	20,607	2.65	1.01	2.68	90,287	22.8%
1969	7,703,400	20,426	2.66	1.01	2.69	88,640	23.1%
1970	7,612,280	19,668	2.58	1.01	2.61	86,071	22.9%
1971	7,418,020	20,099	2.71	1.01	2.74	85,000	23.6%
ENGLAND AND WALES							
1958-67	467,642,000	1,019,812	2.18	1.00	2.18	5,453,264	18.7%
1968	48,593,000	138,569	2.86	1.00	2.86	576,754	24.1%
1969	48,905,000	139,428	2.86	1.00	2.86	579,378	24.1%
1970	48,987,700	139,321	2.84	1.00	2.84	575,213	24.2%
1971	48,815,000	143,127	2.93	1.00	2.93	567,345	25.3%

Notifiable disease (other than tuberculosis) according to date of receipt

	All ages	Under one	1-4	5-14	15-44	45-64	65+	Ages Unknown
1966								
Measles	23	3	11	9	-	-	-	-
Scarlet Fever	1	-	-	1	-	-	-	-
Whooping Cough	2	1	1	-	-	-	-	-
	26	4	12	10	-	-	-	-
1967								
Measles	110	5	53	51	-	-	-	1
Meningococcal infection	1	-	-	-	1	-	-	-
Paratyphoid Fever	1	-	-	1	-	-	-	-
Food Poisoning	1	-	-	1	-	-	-	-
	113	5	53	53	1	-	-	-
1968								
Measles	57	3	34	17	-	-	-	3
Scarlet Fever	2	-	2	-	-	-	-	-
Food Poisoning	1	-	-	-	1	-	-	-
	60	3	36	17	1	-	-	3
1969								
Measles	17	-	11	6	-	-	-	-
Food Poisoning	3	-	1	2	-	-	-	-
Acute Meningitis	1	-	-	1	-	-	-	-
Infective Jaundice	1	-	-	1	-	-	-	-
Dysentery	1	-	-	1	-	-	-	-
Meninges	1	-	-	1	-	-	-	-
	24	-	12	12	-	-	-	-
1970								
Measles	80	3	24	52	-	-	-	1
Scarlet Fever	4	-	1	3	-	-	-	-
Meningitis	1	-	-	-	1	-	-	-
Food Poisoning	5	-	3	1	-	-	1	-
Malaria	1	-	-	-	-	1	-	-
	91	3	28	56	1	1	1	1
1971								
Measles	26	2	14	10	-	-	-	-
Whooping Cough	2	1	1	-	-	-	-	-
Meningitis	2	-	-	1	1	-	-	-
	30	3	15	11	1	-	-	-
1972								
Measles	17	4	5	8	-	-	-	-
Meningitis	2	-	-	-	2	-	-	-
Scabies	1	-	-	-	-	-	-	1
Scarlet Fever	2	-	1	1	-	-	-	-
Food Poisoning	1	-	-	-	1	-	-	-
	23	4	6	9	3	-	-	1

Communicable diseases notified by schools:

	1966	1967	1968	1969	1970	1971	1972	June 1973
Mumps	32	-	-	-	-	-	-	-
Measles	1	-	-	-	-	-	-	-
Scarlet Fever	1	3	1	1	-	-	3	-
Rubella	5	-	-	1	-	-	-	-
Impetigo	-	-	3	-	-	1	1	4
Scabies	-	-	1	-	-	1	-	-
Gastro-Enteritis	-	-	1	2	-	2	-	-

(a) Respiratory

NOTIFICATIONS

1958	3	1962	3	1966	2	1970	2
1959	5	1963	4	1967	-	1971	2
1960	5	1964	4	1968	1	1972	-
1961	1	1965	1	1969	2	1973	- (June 30th)

DETAILS OF NOTIFICATIONS 1967 - JUNE 30TH 1973 were as follows:

	Sex	Age	Classification	Remarks
1967	M	68	B	Publican, died 1973.
1968	M	48	A2	Labourer.
1969	F	54	B3	Housewife, died 1969.
1969	M	46	B2	Occupation not known.
1970	M	28	B2	Occupation not known.
1970	F	35	B2	Housewife.
1971	F	75	B2	Housewife.
1971	M	63	B2	Dispenser and part-time Music Teacher.

A = non-infectious

B = infectious

1, 2, 3 = lobes affected

CASES OF RESPIRATORY TUBERCULOSIS ON REGISTER ON DECEMBER 31ST:

	M	F	P		M	F	P
1958	83	66	149	1966	35	13	48
1959	82	65	147	1967	35	12	47
1960	42	26	68 ^{NE}	1968	30	10	40
1961	38	24	62	1969	27	9	36
1962	38	25	63	1970	27	10	37
1963	40	23	63	1971	27	11	38
1964	42	21	63	1972	24	11	35
1965	39	17	56	1973(June 30th)	22	11	33 ^{NE}

* Register revised 1960

^{NE} Revision of Register August 1973 gives
21 M 10 F = 31 persons

CHANGES IN REGISTER 1967 - JUNE 1973

	1967	1968	1969	1970	1971	1972	June 30 1973
Additions:							
Notifications	-	1	2	2	2	-	-
Came into district	1	-	-	-	-	-	-
Restored to Register	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
	<u>-</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>-</u>	<u>-</u>
Removals:							
By death	1	2	1	-	-	-	1
By recovery	1	2	2	-	1	3	1
"Lost sight of"	-	2	2	-	-	-	-
Left district	<u>-</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>-</u>	<u>-</u>	<u>-</u>
	<u>2</u>	<u>8</u>	<u>6</u>	<u>1</u>	<u>1</u>	<u>3</u>	<u>2</u>

(a) Respiratory
DARTFORD R.D.

	<u>All examinations</u>			<u>First examinations included in all examinations</u>		
	M	F	Persons	M	F	Persons
1966	957	792	1749	520	547	1067
1967	428	386	814	75	206	281
1968	1141	1037	2178	608	671	1279
1969	1462	1296	2758	1052	902	1954
1966-69	3988	3511	7499	2255	2326	4581
1970	636	767	1403			
1971	1031	986	2017			
1970-71	1667	1753	3420			
1966-71	5655	5264	10919			

Cases of tuberculosis found requiring treatment or close supervision

1966	1	2	3	1	1	2
1967	-	-	-	-	-	-
1968	-	-	-	-	-	-
1969	2	2	4	2	1	3
1966-69	3	4	7	3	2	5
1970	-	-	-			
1971	-	-	-			
1970-71	-	-	-			
1966-71	3	4	7			

Incidence of cases per thousand examinations

1966	1.0‰	2.6‰	1.7‰	1.9‰	1.8‰	1.9‰
1967	-	-	-	-	-	-
1968	-	-	-	-	-	-
1969	1.4‰	1.5‰	1.4‰	1.9‰	1.1‰	1.5‰
1966-69	0.8‰	1.1‰	0.9‰	1.3‰	0.8‰	1.1‰
1970	-	-	-			
1971	-	-	-			
1970-71	-	-	-			
1966-71	0.5‰	0.8‰	0.6‰			

ENGLAND 1969

Rate of active tuberculosis found:

Referred by General Practitioner 3.1‰
Others 0.6‰

NON-TUBERCULOSIS CASES FOUND NOT PREVIOUSLY KNOWN

	<u>Lung Cancer</u>			<u>Other Chest Conditions</u>		
	M	F	Persons	M	F	Persons
1966	1	-	1	4	2	6
1967	-	-	-	1	1	2
1968	-	-	-	7	5	12
1969	-	1	1	10	9	19
1970	-	-	-	3*	3*	6*
1971	2	1	3	5	-	5
1966-71	3	2	5	30	20	50

* 1 male and 1 female suspected to have lung cancer died before diagnosis

Cardio-Vascular Lesions

1966	5	3	8
1967	5	-	5
1968	2	1	3
1969	5	7	12
1970	-	-	-
1971	-	1	1
	17	12	29

Abnormalities requiring no action

4	3	7
4	-	4
13	2	15
22	16	38
?	?	?
?	?	?
43+?	21+?	64+?

* Plus 4 previously known

DARTFORD M.B.

	<u>All examinations</u>			<u>First examinations included in all examinations</u>		
	M	F	Persons	M	F	Persons
1966	3445	1364	4809	929	637	1566
1967	2701	1442	4143	680	638	1318
1968	2496	1546	4042	784	811	1545
1969	<u>3297</u>	<u>2860</u>	<u>6157</u>	<u>1294</u>	<u>1619</u>	<u>2913</u>
1966-69	11939	7212	19151	3637	3705	7342
1970	2329	2146	4475			
1971	<u>2422</u>	<u>1932</u>	<u>4354</u>			
1970-71	4751	4078	8829			
1966-71	16690	11290	27980			

Cases of tuberculosis found requiring treatment or close supervision

1966	1	-	1
1967	-	2	2
1968	3	-	3
1969	<u>5</u>	<u>-</u>	<u>5</u>
1966-69	9	2	11
1970	2	-	2*
1971	<u>-</u>	<u>3</u>	<u>3*</u>
1970-71	2	3	5*
1966-71	11	5	16

* These 5 cases were found among the 1945 + 2779 (= 4724 persons) examined for Local Authorities or general practitioners in 1970 and 1971 respectively. Incidence 1.1 ‰

Incidence of cases per thousand examinations

1966	0.39‰	-	0.29‰	1.19‰	-	0.69‰
1967	-	1.49‰	0.59‰	-	-	-
1968	1.29‰	-	0.79‰	1.49‰	-	0.69‰
1969	1.59‰	-	0.89‰	1.59‰	-	0.79‰
1966-69	0.89‰	0.39‰	0.69‰	1.19‰	-	0.59‰
1970	0.99‰	-	0.49‰			
1971	-	1.59‰	0.79‰			
1970-71	0.49‰	0.79‰	0.69‰			
1966-71	0.79‰	0.49‰	0.69‰			

NON-TUBERCULOSIS CASES FOUND NOT PREVIOUSLY KNOWN

	<u>Lung Cancer</u>			<u>Other Chest Conditions</u>		
	M	F	Persons	M	F	Persons
1966	1	-	1	4	3	7
1967	2	-	2	8	5	13
1968	2	-	2	9	7	16
1969	-	-	-	11	15	26
1970	1	-	1	13	7	20
1971	<u>1</u>	<u>-</u>	<u>1</u>	<u>11</u>	<u>8</u>	<u>19</u>
1966-71	7	-	7	56	45	101

Cardio-Vascular Lesions

1966	7	3	10
1967	5	4	9
1968	3	6	9
1969	4	2	6
1970	4	5	9
1971	<u>4</u>	<u>1</u>	<u>5</u>
1966-71	27	21	48

Abnormalities requiring no action

38	-	38
51	11	62
26	7	33
49	24	73
?	?	?
?	?	?
164+?	42+?	206+?

Ancient Mathematics			Medieval Mathematics			Modern Mathematics		
Period	Key Figures	Key Works	Period	Key Figures	Key Works			
3000-500 BC	Babylonians, Egyptians	Clay tablets, Rhind Papyrus	500-1500 AD	Al-Khwarizmi, Fibonacci	Algebra, Liber Abaci	1600-1900	Newton, Leibniz	Calculus, Principia
500-1500 AD	Euclid, Archimedes	Elements, Method	1500-1800	Descartes, Pascal	Geometry, Probability	1900-1950	Einstein	Relativity
1500-1800	Galileo, Kepler	Dialogue, Astronomia Nova	1800-1900	Fourier, Gauss	Heat, Disquisitiones Arithmeticae	1950-2000	Shannon	Information Theory
1800-1900	Newton, Leibniz	Calculus, Principia	1900-1950	Einstein	Relativity	2000-Present	Quantum Mechanics	Quantum Theory

TABLE XVII

TUBERCULOSIS (continued)

MASS RADIOGRAPHY

M	F	Persons
698	142	840

Cases of tuberculosis found requiring treatment or close supervision: None

Non-Tuberculosis cases found and not previously known:

<u>Lung Cancer</u>			<u>Other Chest Conditions</u>		
M	F	Persons	M	F	Persons
1	-	1	2	-	2

NORTHFLEET U.D.

All Examinations

		M	F	Persons
1967-71	Over 45 service	6684	19	6703
1967-71	Routine service	6725	5359	12084
1967-71	Referred by G.P.	156	151	307

Cases of tuberculosis found requiring treatment or close supervision

Incidence of cases per
thousand examinations

	M	F	Persons	M	F	Persons
1967-71 Over 45 service	-	-	-	-	-	-
1967-71 Routine service.	3	2	5	0.49 ₀₀	0.49 ₀₀	0.49 ₀₀
1967-71 Referred by G.P.	1	1	2	6.49 ₀₀	6.69 ₀₀	6.59 ₀₀

				Lung Cancer found	M	F	Persons
1967 Over 45 service	4	-	4	1969 Routine service	-	-	-
1967 Routine service	2	-	2	1970 Routine service	-	1	1
1968 Over 45 service	2	-	2	1970 Referred by G.P.	1	-	1
1969 Over 45 service	-	-	-	1971 Referred by G.P.	2	-	2

GRAVESEND M.B.

All examinations

	M	F	Persons		M	F	Persons
1970 Public etc.	267	527	794	Referred by G.P.	38	36	74
1971 " "	619	838	1457	" " "	118	115	233
1972 " "	216	306	522	" " "	39	50	89
	<u>1102</u>	<u>1671</u>	<u>2773</u>		<u>195</u>	<u>201</u>	<u>396</u>

Cases of tuberculosis found requiring treatment or close supervision

	M	F	Persons		M	F	Persons
1970 Public etc.	-	1	1	Referred by G.P.	-	-	-
1971 " "	-	-	-	" " "	1	1	2
1972 " "	-	-	-	" " "	-	-	-
	-	1	1				

Incidence of cases per thousand examinations:

	M	F	Persons		M.	F	Persons
1970 Public etc.	-	1.9 ^o / _{oo}	1.3 ^o / _{oo}	Referred by G.P.	-	-	-
1971 " "	-	-	-	" " "	8.5 ^o / _{oo}	8.7 ^o / _{oo}	8.6 ^o / _{oo}
1972 " "	-	-	-	" " "	-	-	-
	<u>-</u>	0.6 ^o / _{oo}	0.4 ^o / _{oo}		5.1 ^o / _{oo}	5.0 ^o / _{oo}	5.1 ^o / _{oo}

Lung Cancer found

		M	F	Persons
1970	Referred by G.P.	1	-	1
1971	" " "	2	-	2
1972	" " "	-	-	-

(a) Respiratory (continued)

DEATH OF PERSONS SUFFERING FROM TUBERCULOSIS 1967-1973

Persons removed from the tuberculosis register by death:

Year born	Year notified	Year died	Found to be infectious	Sex	Cause of death Underlying	Contributory
1912	1954	1967		F	Ia Myocardial Infarction	II Mitral stenosis and insufficiency
1912	1954	1968		M	Ia Cor Pulmonale Ib Pulmonary tuberculosis	II Aspergillosis
1899	1967	1973	Yes	M	Ia Bronchitis Ib Emphysema Ic Heart Failure	II Pulmonary tuberculosis
1904	1964	1973		M	Ia Carcinoma. Right Lung	

TABLE XIX

UNDERLYING CAUSES OF DEATH OF:

(a) Persons on respiratory tuberculosis register

	to August 31st, 1973	Resp. Tub.	Bronchitis	Lung Cancer	Other Causes	Total
* Dartford Residential R.D., 1958 -		18	10	13	35	76
* Dartford Town, 1958 -		10	7	8	31	56
Northfleet U.D., 1958 -		9	9	5	23	46
Swanscombe U.D., 1964 -		<u>4</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>10</u>
		41	28	28	91	188
		22%	15%	15%	48%	100%

(b) Persons aged 45+ not on the register

Northfleet U.D., 1967-72	-	52	64	1176	1292
	0%	4%	5%	91%	100%

(c) Persons of all ages not on the register

Dartford R.D., 1958-67	8	323	214	4807	5352
	0%	6%	4%	90%	100%

* The terms Dartford "R.R.D." and Dartford "Town" exclude long-stay institutions

(b) Non-respiratory

NOTIFICATIONS IN THE LAST 16 YEARS

1958	1959	1960	1961	1962	1963	1964	1965
-	1	1	1	-	-	-	-
1966	1967	1968	1969	1970	1971	1972	1973
1	1	1	1	-	-	-	-

NEW NOTIFICATIONS

Year	Sex	Age	Classification	Location of disease	Remarks
1966	F	49	?	Neck Gland	Housewife
1967	F	47	?	Knee	-
1968	M	12	?	Spine	-
1969	F	66	?	Neck	Housewife

NUMBER ON THE REGISTER ON DECEMBER 31ST

	Males	Females	Persons		Males	Females	Persons
1958	16	11	27	1966	2	3	5
1959	16	12	28	1967	2	4	6
1960	1	2	3 *	1968	3	4	7
1961	2	2	4	1969	4	4	8
1962	2	2	4	1970	4	4	8
1963	2	2	4	1971	4	3	7
1964	2	2	4	1972	4	3	7
1965	2	2	4	1973	4	3	7 (June 30)

* Register revised 1960

CHANGES IN THE REGISTER

	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973
Additions:										
New Notifications	-	-	1	1	1	1	-	-	-	-
Came into district	-	-	-	-	-	-	-	-	-	-
Restored to register	-	-	-	-	-	-	-	-	-	-
	-	-	1	1	1	1	-	-	-	-
Removals:										
Recovered	-	-	-	-	-	-	-	1	-	-
Left district	-	-	-	-	-	-	-	-	-	-
Lost sight of	-	-	-	-	-	-	-	-	-	-
Died	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	1	-	-

Vaccination against poliomyelitis was introduced in 1967 with three doses of dead vaccine by injection as a primary course. In 1962 live vaccine was introduced with a primary course of three doses; a fourth dose of dead or live vaccine being provided for school children under 12 years of age. By 1965 the practice established was to give three oral doses in infancy followed by a fourth dose on starting school. Older groups have also received the vaccine.

For most years the numbers of children under school age receiving primary courses of vaccination have been given to us in age groups each of which consists of those born in a given year. This at first was the original practice for all age groups. For 1961 onwards, however, the older age groups have covered wider spans of age and the spans have varied from year to year. This hampers interpretation as seen in Tables (iii) and (iv) below.

(i) Persons who have completed a course of primary vaccinations (3 doses)

Year of birth	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1958-1972	Estimated population of cohort	Percentage of children who have completed course
1972																3	123	2%
1971																106	162	65%
1970																154	142	109%*
1969																220	176	125%*
1968																195	182	107%*
1967																227	182	125%*
1966																165	162	102%*
1965																168	146	115%*
1964																183	175	105%*
1963																161	155	104%*
1962																151	150	101%*
1961																)	137	)
1960																)	132	)613=
1959																)	100	)100%
1958																)	124	)
1957																)	120	)
Before 1957 and others	4	78	546	434	247	17										)610		
	68	1,453														)		

* Although these percentages are impossible they convey their message which I hope to discuss in the commentary.

TABLE XXI

VACCINATIONS (continued)

(a) Poliomyelitis (continued)

SWANSCOMBE U.D.

(ii) Reinforcing vaccinations (4th doses) Figures as given by Local Health Authority.

Year of birth	Year of reinforcing vaccination											
	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972
1968												8
1967											11	111
1966										2	83	15
1965					-				11	83	19	
1964				-	-			6	119	19		
1963				-	-	9	15	138				
1962				-	-				7			
1961				1			115					
1960						105						
1959					92							
1958											13	
1957				73						2		
1956									3			
1955			123		20	-	1					
1954	633	84										
1953												
1952												
1951												
1950												
1949												
1943-48												

(iii) An interpretation of the preceding table could be -

Year of birth	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1961-1972	Est. pop. cohort	% who have completed course
1968												8	8	182	4%
1967											11	111	122	182	67%
1966										2	83	8	93	162	57%
1965									11	83	10	7	111	146	76%
1964				-				6	119	10	9	5	149	175	85%
1963				-			15	69	4	9	2	4	103	155	66%
1962				-	9	39	46	3	1	2	4	4	104	150	69%
1961				1	23	35	38	23	1	1	2	4	128	137	93%
1960				7	23	35	38	-	1	-	2	4	110	132	83%
1959				6	23	35	1	-	1	-	1	4	71	100	71%
1958			18	6	23	-	-	-	-	-	1	4	51	124	41%
1957			18	10	3	-	-	-	-	-	1	4	36	120	30%
1956	91	6	18	6	3	-	-	-	-	-	1	4	129	138	93%
1955	91	6	18	2	2	-	-	-	-	-	1		120	123	98%
1954	91	6	17	6	2	-	-	-	-	-			122	125	98%
1953	90	6	17	6	2	-	-	-	-				121	139	87%
1952	90	6	17	6	2	-	-	-					121	127	95%
1951	90	6		6	2	-	-						104	131	80%
1950	90	6		6	2	-							104	144	72%
1949		6		6	2								14	151	9%
1943-48		36													

(i) Primary vaccination. By year of birth.

Year of birth	Vaccinated in year end. Dec. 31st.								1953-60	Pop. of cohort	% vaccinated		Vacc. by L.H.A. in				
	1953	-54	-55	-56	-57	-58	-59	-60					-68	-69	-70	-71	-72
1970												No further figures available in this form until:				2	
1969															71	100	
1968													81	35		6	
1967														?	?	3	
1966														?	?	1	
1965														?	?	1	
1964														?	?		
1963														?	?		
1962														?	?		
1961														?	?		
1960	- Not yet born -								30	30	132	23%				1	
1959							39	43	82	100	82%						
1958						38	54	2	94	124	76%						
1957					40	38	5	2	85	120	71%						
1956				58	49	-	2	2	111	138	80%						
1955			57	27	1	-	-	-	85	123	69%						
1954		55	34	-	2	-	-	1	92	125	74%						
1953	46	30	-	1	1	1	-	-	79	139	57%						
Before	24	1	1	3	11	2	4	6									

Vaccination by L.H.A. no longer provided after 30th July, 1971

(ii) Primary vaccination. By age at time of vaccination.

Year	Under 1 yr.	1 year	2-4 years	5-7 years	8-16 years	17 years of over
1968	Statistics no longer received in this form.					
1967	?	94	?	?	?	?
1966	?	100	?	?	?	?
1965	?	103	?	?	?	?
1964	?	92	?	?	?	?
1963	?	34	?	?	?	?
				5-14 years		15 or over
1962	118	29	49	193		254
1961	81	9	2	-		10

(iii) Revaccination by age at time of revaccination

Year	0-2 years	3-4 years	5-7 years	8-16 years	17 years or over
1972	Revaccination no longer provided by L.H.A.				
1971 ✕	?	?	?	7	?
1970 ✕	?	?	?	33	?
1969 ✕	?	?	?	3	?
1968 ✕	?	?			?
	1 year	2-4 years			
1967	?	?	2	?	?
1966	?	?	-	?	?
1965	?	?	-	?	?
1964	?	?	-	?	?
1963	?	?	-	?	?
			5-14 years		15 or over
1962	?	26	256		506
1961	?	?	?		1
1960 ✕	?	?	?		1
1959 ✕	-	-	2		6
1958 ✕	-	-	4		4
1957 ✕	-	1	1		6
1956 ✕	-	-	-		5
1955 ✕	-	1	2		8
1954 ✕	-	2	-		1

✕ The figures for these years are presented to us in the better form, i.e. by the year of birth and not the age when vaccinated. Adaptation to this table therefore involves approximations.

(b) SMALLPOX (continued)

(iv)

REVACCINATION OF SCHOOL CHILDREN. By 1971 vaccination and revaccination of children of school age was minimal and in July 1971 the practice, as a routine, ceased as a matter of policy. In previous years such immunity as schoolchildren had was mainly from vaccinations and revaccinations done in 1962 when smallpox was in the country.

In the report for the years ending 1966 I estimated that by then 22% of schoolchildren had some immunity, this being mainly their legacy from 1962. By December 1971 those partially immune children would have left school and as only 46 revaccinations were recorded in the years 1963-71 the immunity of schoolchildren by December 1971 would have been negligible.

(v) VACCINATION RATES AND THEIR TRENDS

Up to the end of 1961 most infants who were vaccinated were vaccinated in the first year of life but in 1962 more infants than in former years were vaccinated at a later stage. In 1963 the second year of life was advocated as an advantage for vaccination. With this change of practice the County as seen above ceased to record vaccinations at ages under one year but continued to record them in the second year of life. Thus up to 1962 the expedient rate was the percentage of the number of births in a given year of those vaccinated while under one year of age in that year. 1963 represented an interim period in which vaccinations diminished in numbers while infants reached their second year of life. From 1964 onwards the expedient rate became the vaccinations done at age 12-23 months expressed as a percentage of infants surviving to age of one year. In 1968 greater emphasis was placed on the need for vaccination to be carried out by or with the knowledge of the family doctor which could result in delay or postponement. From 1961 to 1967 the statistics were recorded according to age in years at time of vaccination. This is not a precise way of presentation.

SECOND YEAR VACCINATION RATE

Year	Births	Infant deaths	Survivors to age one	Vaccination Year	Vaccinations done at age		Percentage vaccinated at age	
					0-11 mths.	12-23 mths.	0-11 months	12-23 months
1966	164	2	162	1967 ³⁶	?	94	?	58%
1965	148	2	146	1966	?	100	?	69%
1964	178	3	175	1965	?	103	?	59%
1963	156	1	155	1964	?	92	?	59%
1962	154	4	150	1963	?	34	?	23%
1961	138	1	137	1962	118	29	?	21%
1960	136	4	132	1961	81	9	?	7%

FIRST YEAR VACCINATION RATE

1963	156	1	155	1963	Figure not available	92	?
1962	154	4	150	1962	118	34	79%
1961	138	1	137	1961	81	29	59%
1960	136	4	132	1960	Figures not available in this form.		
1959	105	5	100	1959	92	4	92%

³⁶It is not feasible to present a vaccination rate in this form after 1967 in view of the changed form in which the figures were received.

(b) SMALLPOX (continued)

(vi) PRIMARY VACCINATION IN EARLY CHILDHOOD. COMPARISON WITH OTHER AREAS

Rates based on live births during previous calendar year.

	1965	1966	1967	1968	1969	1970
--	------	------	------	------	------	------

Vaccination rate for children aged under two years

ENGLAND & WALES	33%	38%	39%	38%	31%	28%
-----------------	-----	-----	-----	-----	-----	-----

Vaccination rate for children aged between one and two years

KENT ADMIN. COUNTY						
Vaccinations	$\frac{13881}{22638} = 61\%$	$\frac{13884}{23436} = 59\%$	$\frac{14304}{23391} = 61\%$	$\frac{13266}{22859} = 58\%$	$\frac{9793}{23222} = 42\%$	$\frac{9781}{22476} = 44\%$
Live births						
DARTFORD M.B.						
Vaccinations	$\frac{476}{898} = 53\%$	$\frac{638}{850} = 75\%$	$\frac{522}{785} = 67\%$	Vaccination figures for the years 1968, 1969 and 1970 not given by age when vaccinated but by year of birth.		
Live births						
DARTFORD R.D.						
Vaccinations	$\frac{830}{1199} = 69\%$	$\frac{791}{1172} = 86\%$	$\frac{684}{1176} = 58\%$	Vaccination by Local Health Authority ceased July 1971.		
Live births						
NORTHFLEET U.D.						
Vaccinations	$\frac{311}{511} = 61\%$	$\frac{291}{515} = 57\%$	$\frac{335}{523} = 64\%$			
Live births						
SWANSCOMBE U.D.						
Vaccinations	$\frac{103}{148} = 68\%$	$\frac{106}{164} = 61\%$	$\frac{94}{183} = 51\%$	- do -		
Live births						

Rates based on population in second year

Birth year	Births	Infant deaths	Surviving infancy	Vaccination year	Aged "1 yr" in vacc. year i.e. 12-23 mth.	Factor	With even flow prob. No. avail-able in vacc. yr.	Vacc. while aged 12-23 months	%
KENT A.C.									
1964	22638	468	22170	1966	45207	$\frac{1}{2}$	22604	13884	61%
1965	23436	399	23037	1967	45950	$\frac{1}{2}$	22975	14304	62%
1966	23391	378	22913	1968	45384	$\frac{1}{2}$	22692	13266	58%
1967	22859	388	22471	1969	45316	$\frac{1}{2}$	22658	9793	43%
1968	23222	375	22845	1970	44961	$\frac{1}{2}$	22481	9781	43%
1969	22476	360	22116						
DARTFORD M.B.									
1963	780	28	752	1965	1604	$\frac{1}{2}$	802	476	59%
1964	865	13	852	1966	1728	$\frac{1}{2}$	864	638	74%
1965	898	22	876	1967	1711	$\frac{1}{2}$	856	522	61%
1966	850	15	835						
DARTFORD R.D.									
1963	1203	20	1183	1965	2362	$\frac{1}{2}$	1181	830	70%
1964	1199	20	1179	1966	2338	$\frac{1}{2}$	1169	791	68%
1965	1172	13	1159	1967	2316	$\frac{1}{2}$	1158	684	59%
1966	1176	19	1157						
NORTHFLEET U.D.									
1963	505	14	491	1965	988	$\frac{1}{2}$	494	311	63%
1964	511	14	497	1966	1005	$\frac{1}{2}$	503	291	58%
1965	515	7	508	1967	1020	$\frac{1}{2}$	510	335	61%
1966	523	11	512						
SWANSCOMBE U.D.									
1963	156	1	155	1965	305	$\frac{1}{2}$	153	103	67%
1964	154	4	150	1966	287	$\frac{1}{2}$	144	100	70%
1965	138	1	137	1967	269	$\frac{1}{2}$	135	94	70%
1966	136	4	132						

TABLE XXII VACCINATIONS (continued)
(b) SMALLPOX (continued)
PRIMARY VACCINATION IN EARLY CHILDHOOD. RATES ENG. & WALES

Birth year	Births	1000 - Inf.mort.rate	Surviving infancy	Vaccination year	No. at given age in vaccn. year	Factor	With even flow prob.no.available in vaccn.year	No.at given age vaccinated	Percentage
1960	785005	978.2	767000	1961	1562000	$\frac{1}{5}$	781000	319532	41%
1961	811281	978.6	795000	1962	1615000	$\frac{1}{5}$	807500	409195	51%
1962	838736	978.3	820000	1963	1655000	$\frac{1}{5}$	827500	76139	9%
1963	854055	978.9	835000	1964	1695000	$\frac{1}{5}$	847500	67043	8%
1964	875972	980.0	860000	1965	1706000	$\frac{1}{5}$	853000	50381	6%
1965	862723	981.0	846000	1966	1681000	$\frac{1}{5}$	840500	43705	5%
1966	849823	981.0	835000	1967	1651000	$\frac{1}{5}$	825500	41172	5%
1967	832164	981.7	816000	1968	1620000	$\frac{1}{5}$	810000	30649	4%
1968	819272	981.7	804000	1969	1586000	$\frac{1}{5}$	793000	14985	2%
1969	797538	982.0	782000						
1959	748501	978.8	730000						
1960	785005	978.2	767000						
1961	811281	978.6	795000	1964	3947000	$\frac{1}{5}$	789400	246445	31%
1962	838736	978.3	820000	1965	4077000	$\frac{1}{5}$	815400	328441	40%
1963	854055	978.9	835000	1966	4156000	$\frac{1}{5}$	831200	396206	48%
1964	875972	980.0	860000	1967	4196000	$\frac{1}{5}$	839200	394547	47%
1965	862723	981.0	846000	1968	4192000	$\frac{1}{5}$	838400	395384	47%
1966	849823	981.0	835000	1969	4161000	$\frac{1}{5}$	832200	345135	41%
1967	832164	981.7	816000						
1968	819272	981.7	804000						
1969	797538	982.0	782000						

The above are based on figures submitted by Local Health Authorities. As will be seen from local figures these are incomplete, e.g. only figures of those vaccinated at age 1 from Kent are submitted.

TABLE XXIII

VACCINATIONS (continued)
Bacterial Diseases

Swanscombe U.D.

(c) DIPHTHERIA

(i)

NUMBER VACCINATED

Year	Age at 31st December	Primary inoculations done in the year			Reinforcing inoculations done in the year		
		Triple antigen	Diphtheria tetanus	Total	Triple antigen	Diphtheria tetanus	Total
1972	0-4 years	155	2	157	3	8	11
	5-7 "	2	1	3	7	114	121
	8-16 "	-	-	-	2	3	5
1971	0-4 "	151	2	153	13	42	55
	5-7 "	1	-	1	8	68	76
	8-16 "	-	-	-	3	1	4
1970	0-4 "	146	2	148	75	15	90
	5-7 "	-	3	3	22	63	85
	8-16 "	-	-	-	-	-	-
1969	0-4 "	53	2	55	113	34	147
	5-7 "	-	-	-	40	57	97
	8-16 "	-	-	-	-	-	-
1968	0-4 "	183	3	186	122	35	157
	5-7 "	1	1	2	39	81	120
	8-16 "	-	-	-	-	2	2
1967	0-4 "	147	14	161	107	58	165
	5-7 "	3	-	3	44	72	116
	8-16 "	-	-	-	-	4	4
1966	0-4 "	167	3	170	125	27	152
	5-7 "	1	1	2	54	44	98
	8-16 "	-	-	-	1	1	2

(ii)

PRIMARY VACCINATIONS at ages 0-4 years

Vaccinated in year ending December 31st

Year of birth	at age less than 5 years											1960 - 72	Est. pop.
1972												3	123
1971												108	162
1970										1	97	40	142
1969										-	101	53	176
1968									68	46	40	2	156
1967								73	103	5	1	1	183
1966							74	82	12	3	5		176
1965						80	90	4	1	1			176
1964					101	80	3	1	2				187
1963				80	74	5	2	1					162
1962			73	71	5	3	1						153
1961		65	74	4	2	1							146
1960	47	71	10	4	1								133
1960-72	47	136	157	159	183	169	170	161	186	55	148	153	157

The above table purports to display the amount and distribution of immunity acquired from primary vaccinations at ages 0-4 years in the population from 1960-72. The cumulative figures are given below.

(c) DIPHTHERIA (continued)

(ii) PRIMARY VACCINATIONS AT AGES 0-4 YEARS (continuation of previous table)

Year of birth	Vaccinated at age < 5 yrs. 1960-72	Estimated population of cohorts	<u>Cumulative</u>		Percentage vaccinated	Ages of population on 31.12.72 in years
			Vaccinated	Population		
1972	3	123	3	123	2%	0
1971	108	162	111	285	39%	0-1
1970	138	142	249	427	58%	0-2
1969	160	176	409	603	68%	0-3
1968	156	182	565	785	72%	0-4
1967	183	182	748	967	78%	0-5
1966	176	162	924	1129	82%	0-6
1965	176	146	1100	1275	87%	0-7
1964	187	175	1287	1450	89%	0-8
1963	162	155	1449	1605	90%	0-9
1962	153	150	1602	1755	91%	0-10
1961	146	137	1748	1892	92%	0-11
1960	133	132	1881	2024	93%	0-12
1960-72	1881	2024				

The above table purports to display the artificial immunity acquired from primary vaccination by populations containing those aged 0 years up to 12 years on 31.12.72.

(iii)
PRIMARY VACCINATIONS - PERCENTAGE OF POPULATION VACCINATED at ages 0-4 years

Year of birth	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1960-1972
1972													2%	2%
1971													67%	67%
1970											1%	68%	28%	97%
1969										26%	57%	30%	3%	117% ✕
1968									37%	3%	22%	1%	-	63%
1967								40%	57%	2%	1%	1%		100%
1966							46%	51%	7%	1%	3%			107%
1965						55%	62%	3%	1%	-				120% ✕
1964					58%	46%	2%	1%	1%					107% ✕
1963				52%	48%	3%	1%	1%						104% ✕
1962			49%	47%	3%	1%	1%							102% ✕
1961		47%	54%	3%	1%	1%								106% ✕
1960	36%	54%	8%	3%	1%									101%

The above table purports to display the pattern of acceptance of primary vaccination at ages 0-4 years of the cohorts born in each of the years 1960-1972

TABLE XXIII VACCINATIONS (c) DIPHTHERIA (continued)

(iv)

NUMBER REVACCINATED AT AGE 0-4 YEARS

Year of birth	Reinforcing vaccinations in year ending December 31st										1959-1972	Population aged 4 yr. or more	Revaccinated at age 0-4 yrs.	Cumulative Population aged 4 yrs.+	Cumulative % Revaccinated	Ages on 31.12.72.
	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972		
1968	-	-	-	-	-	-	-	-	-	-	6	55	14	9	84	4
1967	-	-	-	-	-	-	-	-	-	6	95	26	39	166	69%	4-5
1966	-	-	-	-	-	-	-	-	-	99	25	5	-	132	73%	4-6
1965	-	-	-	-	-	-	-	-	3	39	21	-	-	174	83%	4-7
1964	-	-	-	-	-	-	-	6	108	13	-	-	-	154	84%	4-8
1963	-	-	-	-	-	-	4	103	34	-	-	-	-	146	86%	4-9
1962	-	-	-	-	-	7	95	24	20	-	-	-	-	175	85%	4-10
1961	-	-	-	-	-	89	23	19	-	-	-	-	-	150	87%	4-11
1960	-	-	-	-	-	49	15	-	-	-	-	-	-	137	85%	4-12
1959	-	-	-	-	-	29	5	-	-	-	-	-	-	132	83%	4-13
1958	-	-	-	-	-	84	-	-	-	-	-	-	-	100	81%	4-14
1958-68	-	-	-	-	-	104	137	152	165	157	147	86	53	63	1645	

The above table purports to display the amount and distribution of immunity acquired from revaccinations at ages 0-4 years in the population born 1958-68

PERCENTAGE OF POPULATION REVACCINATED at ages 0-4 years

Year of birth	Percentage of population revaccinated at ages 0-4 years										1959-1972	Population aged 4 yr. or more	Revaccinated at age 0-4 yrs.	Cumulative % Revaccinated	Ages on 31.12.72.
	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968					
1968	-	-	-	-	-	-	-	-	-	-	84	182	84	46%	4
1967	-	-	-	-	-	-	-	-	-	-	166	182	250	69%	4-5
1966	-	-	-	-	-	-	-	-	-	-	132	162	382	73%	4-6
1965	-	-	-	-	-	-	-	-	-	-	174	146	556	83%	4-7
1964	-	-	-	-	-	-	-	-	-	-	154	175	710	84%	4-8
1963	-	-	-	-	-	-	-	-	-	-	146	155	856	86%	4-9
1962	-	-	-	-	-	-	-	-	-	-	133	150	989	85%	4-10
1961	-	-	-	-	-	-	-	-	-	-	132	137	1121	87%	4-11
1960	-	-	-	-	-	-	-	-	-	-	93	132	1214	85%	4-12
1959	-	-	-	-	-	-	-	-	-	-	51	100	1265	83%	4-13
1958	-	-	-	-	-	-	-	-	-	-	63	124	1328	81%	4-14
1958-68	-	-	-	-	-	-	-	-	-	-	63	124	1328	81%	4-14

The above table displays the pattern of acceptance of revaccination at ages 0-4 years of the cohorts born in each of the years 1958-68.

REINFORCING VACCINATION AT SCHOOL AGE

Year of birth	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1972	1958-
1967																	
1966																	
1965																	
1964																	
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1955																	
1954																	
1953																	
1952																	
1951																	
1950																	
Before 1950																	
Total	48	65	75	115	56	47	78	91	100	120	122	97	85	79	126	1304	

An interpretation of the preceding table could be:

1967																	108
1966																	57
1965																	94
1964																	101
1963																	55
1962																	88
1961																	114
1960																	103
1959																	80
1958																	57
1957																	39
1956																	57
1955																	106
1954																	104
1953																	81
1952																	28
1951																	8
1950																	
Before 1950																	
Total	48	65	75	115	56	47	78	91	100	120	122	97	85	79	126	1304	

Est. pop.	Percent- age	Revacc.	Cumulative Pop. Revacc.	Ages of pop.on 31.12.72
182	59%	108	182	5
162	35%	165	344	5-6
146	64%	259	490	5-7
175	58%	360	665	5-8
155	36%	415	820	5-9
150	59%	503	970	5-10
137	83%	617	1107	5-11
132	78%	720	1239	5-12
100	80%	800	1339	5-13
124	46%	857	1463	5-14
120	33%	896	1583	5-15
138	42%	953	1721	5-16
123	86%	1059	1844	5-17
125	83%	1163	1969	5-18
139	58%	1244	2108	5-19
127	School entry revacc. prior to 1958			
131				

Whooping cough vaccine is given in the primary course in the triple vaccine, i.e., with diphtheria and tetanus vaccine. The pattern of acceptance is that of the triple vaccine, and is therefore almost identical with that for the primary course for diphtheria given above. The table for primary whooping cough vaccination will, therefore, be omitted here.

(i) REINFORCING VACCINATION AT AGES 0-4 YEARS											
Year of birth	1965	1966	1967	1968	1969	1970	1971	1972	1972	Est. pop. of cohort aged 4 or more	% cohort revacc.
1970	- Not yet born -										
1969	- Not yet born -										
1968	- Not yet born -										
1967	- Not yet born -										
1966	- Not yet born -										
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TABLE XXV

VACCINATIONS (e) TETANUS

Swanscombe U.D.

VACCINATION AGAINST TETANUS ONLY: ADDITIONAL TO VACCINATION AGAINST TETANUS
COMBINED WITH OTHER VACCINES

Year of birth	Primary vaccination					Year of birth	Reinforcing vaccination				
	1968	1969	1970	1971	1972		1968	1969	1970	1971	1972
1972						1972					
1971						1971					
1970						1970					
1969						1969					
1968						1968					
1967						1967					2
1966			1		1	1966				1	2
1965	1					1965	1			2	
1964						1964				2	
1963			1		11	1963		2			
1962	3		9	18		1962	7				
1961						1961				9	
1956-60		12				1956-60					
1955						1955		10			
1954	18					1954	12				
1953						1953					
1952						1952					

Vaccine against tetanus is given mainly with vaccine against diphtheria in a combined vaccine.

TABLE XXVI

VACCINATIONS (f) RUBELLA

VACCINATION OF GIRLS AGAINST RUBELLA

Year of birth	1970	1971	1972
1964			
1963			47
1962		68	
1956-61	-		
1955			
1954			

TABLE XXVII

VACCINATIONS (g) MEASLES

Year of birth	1968	1969	1970	1971	1972	1968-72	Est. pop. cohort	Vaccinated	Cumulative Pop.	% Vaccinated
1972					1	1				
1971				-	56	56	162	56	162	35%
1970			-	26	40	66	142	122	304	40%
1969		-	31	56	10	97	176	219	480	46%
1968	-	12	28	20	7	67	182	286	662	43%
1967	22	24	10	9	3	68	182	354	844	42%
1966	29	15	5	4	-	58	162	412	1006	41%
1965	19	21	1	4						
1964	12	12	1	4						
1963	44	5		3	3					
1962										
1961										
1955-60	1	0	-							
1953-55		1954	1955	1956						
1952										

COMPARISON WITH OTHER AREAS

Percentages of children vaccinated

By 31.12.69.	Diph-theria			Whooping Cough		
	Polio	theria		Polio	theria	Whooping
	Born in 1967			Born in 1968		
Eng. & Wales	80%	83%	81%	65%	67%	66%
England	80%	83%	81%	65%	68%	66%
Kent	95%	90%	86%	70%	65%	64%
Dartford M.B.	104%*	91%	85%	93%	73%	72%
Dartford R.D.	81%	91%	91%	74%	91%	58%
Northfleet U.D.	91%	82%	80%	69%	71%	71%
Swanscombe U.D.	119%*	100%	93%	59%	63%	61%

* That certain percentages are more than 100% may be due to an under-estimate of population or to misunderstanding of precise local authority area of residence of a few children on the boundary.

TABLE XXIX

MEASLES NOTIFICATION 1941 - JUNE 1973

	<u>1941</u>	<u>1942</u>	<u>1943</u>	<u>1944</u>	<u>1945</u>	<u>1946</u>
	228	9	60	65	50	52
	<u>1947</u>	<u>1948</u>	<u>1949</u>	<u>1950</u>	<u>1951</u>	<u>1952</u>
	130	45	48	243	130	16
	<u>1953</u>	<u>1954</u>	<u>1955</u>	<u>1956</u>	<u>1957</u>	<u>1958</u>
	199	4	271	16	35	0
	<u>1959</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>
1st Quarter	43	-	16	-	46	1
2nd "	186	-	31	-	109	2
3rd "	3	-	65	1	14	-
4th "	-	-	-	5	-	14
Year	232	-	112	6	169	17
	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>
1st Quarter	59	1	105	-	17	75
2nd "	53	1	5	-	-	1
3rd "	-	1	-	21	-	1
4th "	2	20	-	36	-	3
Year	114	23	110	57	17	80
	<u>1971</u>	<u>1972</u>	<u>1973</u>			
1st Quarter	23	1	1			
2nd "	-	14	1			
3rd "	-	1				
4th "	3	1				
Year	26	17				

FIRST CERTIFICATES OF INCAPACITY

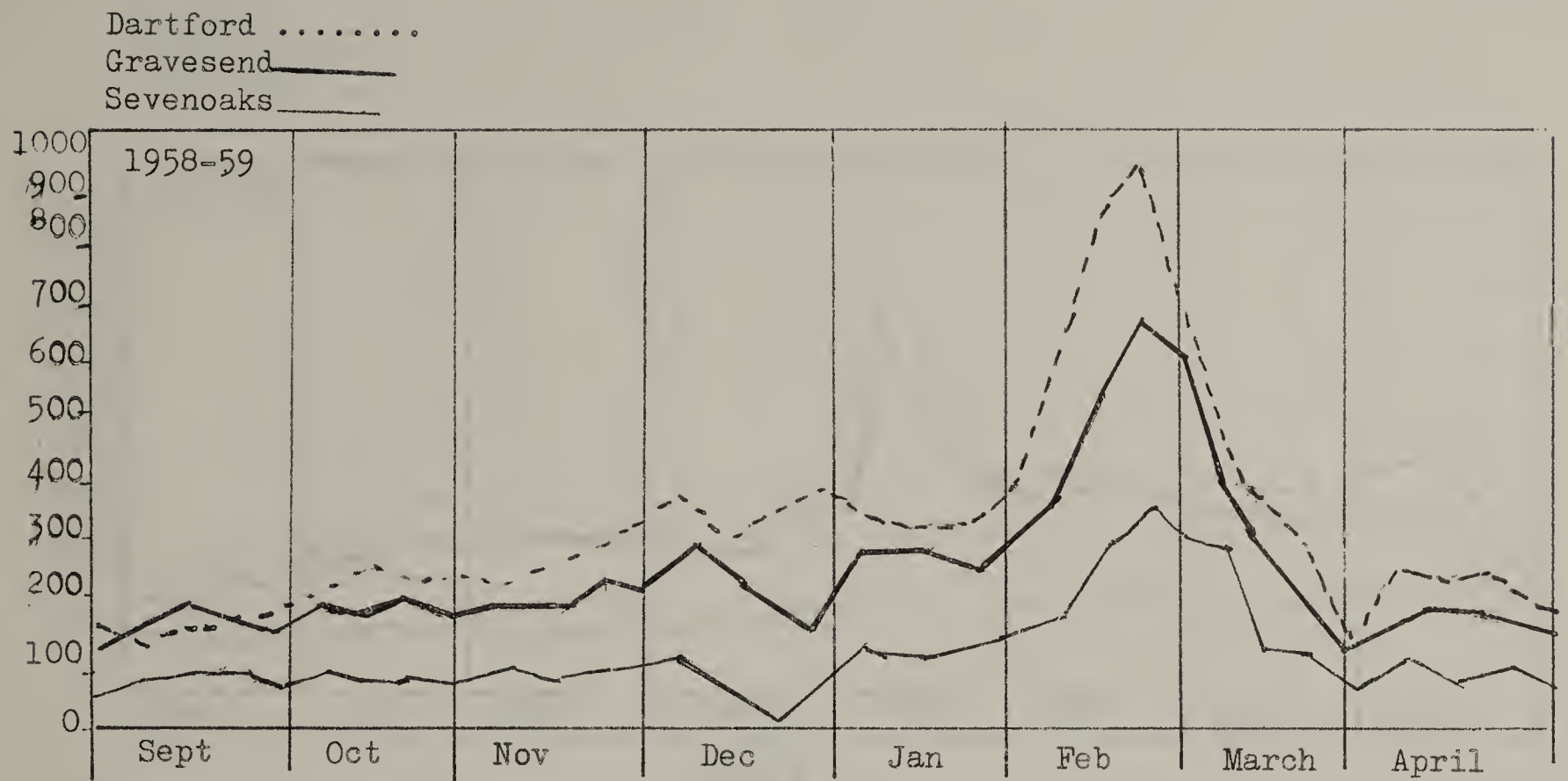


figure i

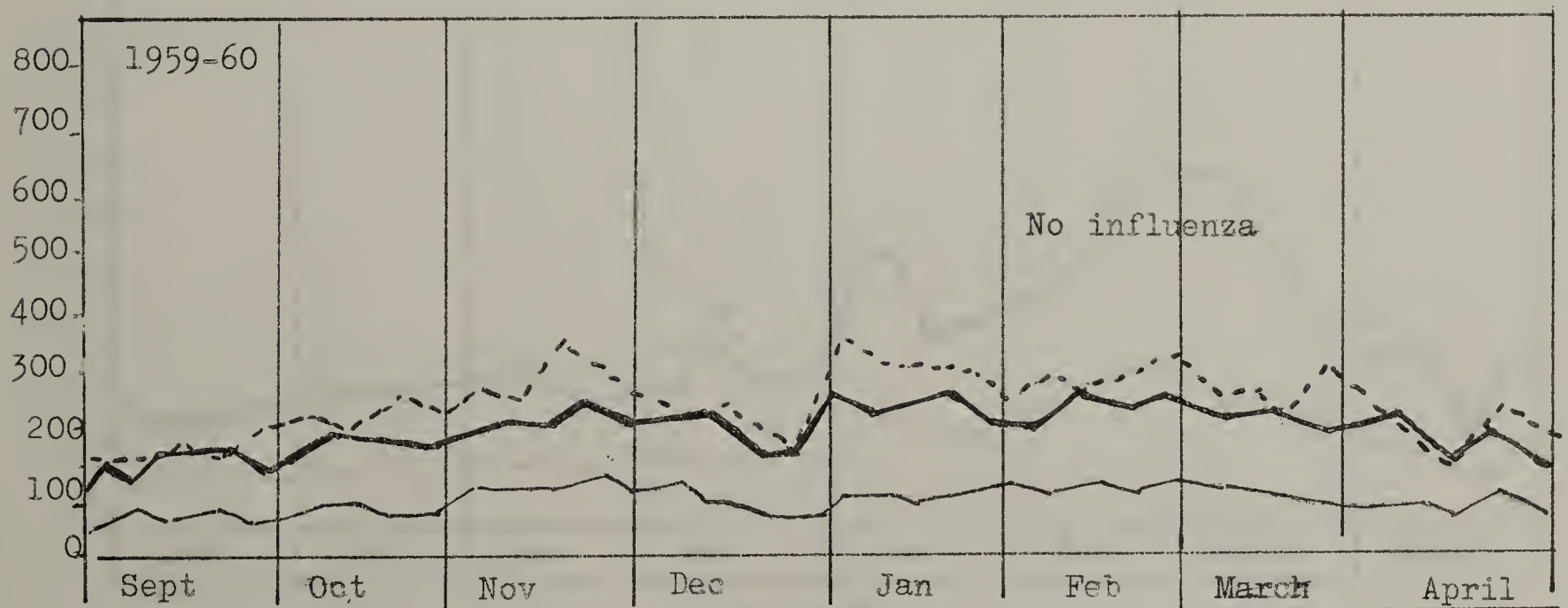


figure ii

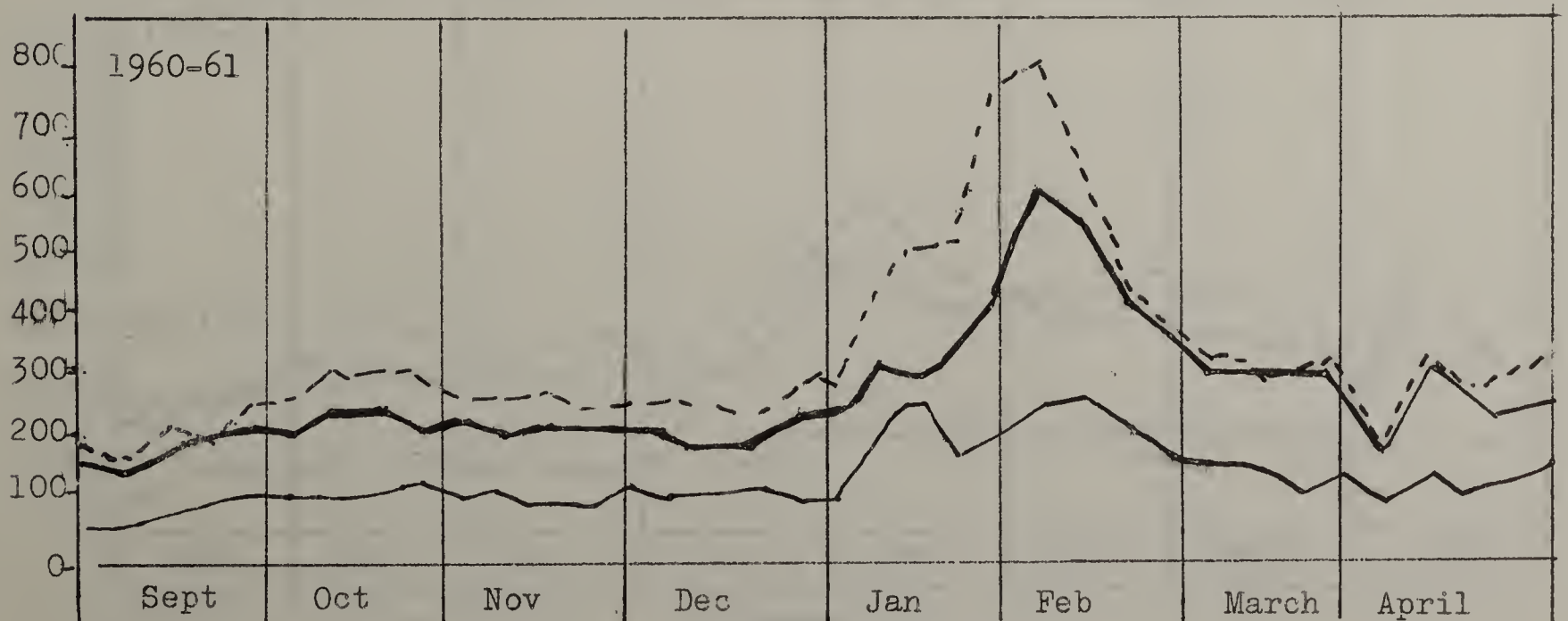


figure iii

FIRST CERTIFICATES OF INCAPACITY

Dartford
Gravesend ———
Sevenoaks ———

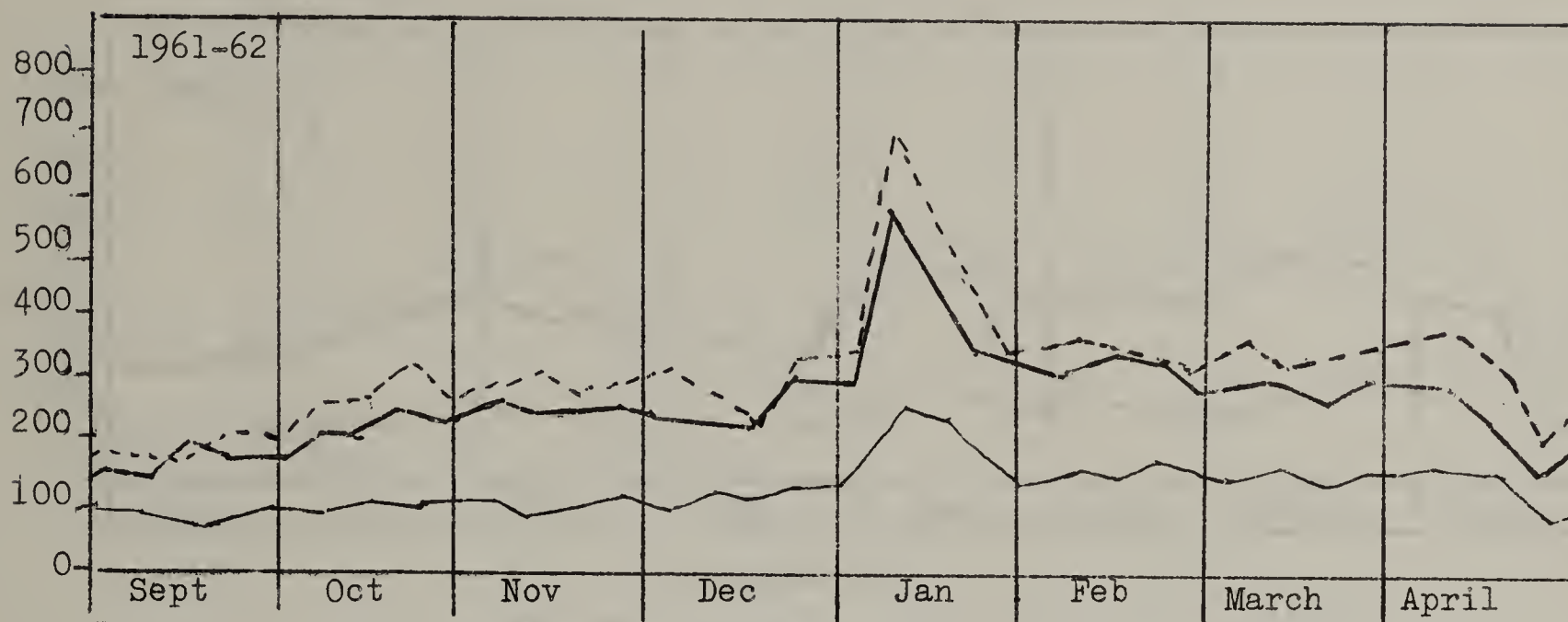


figure iv

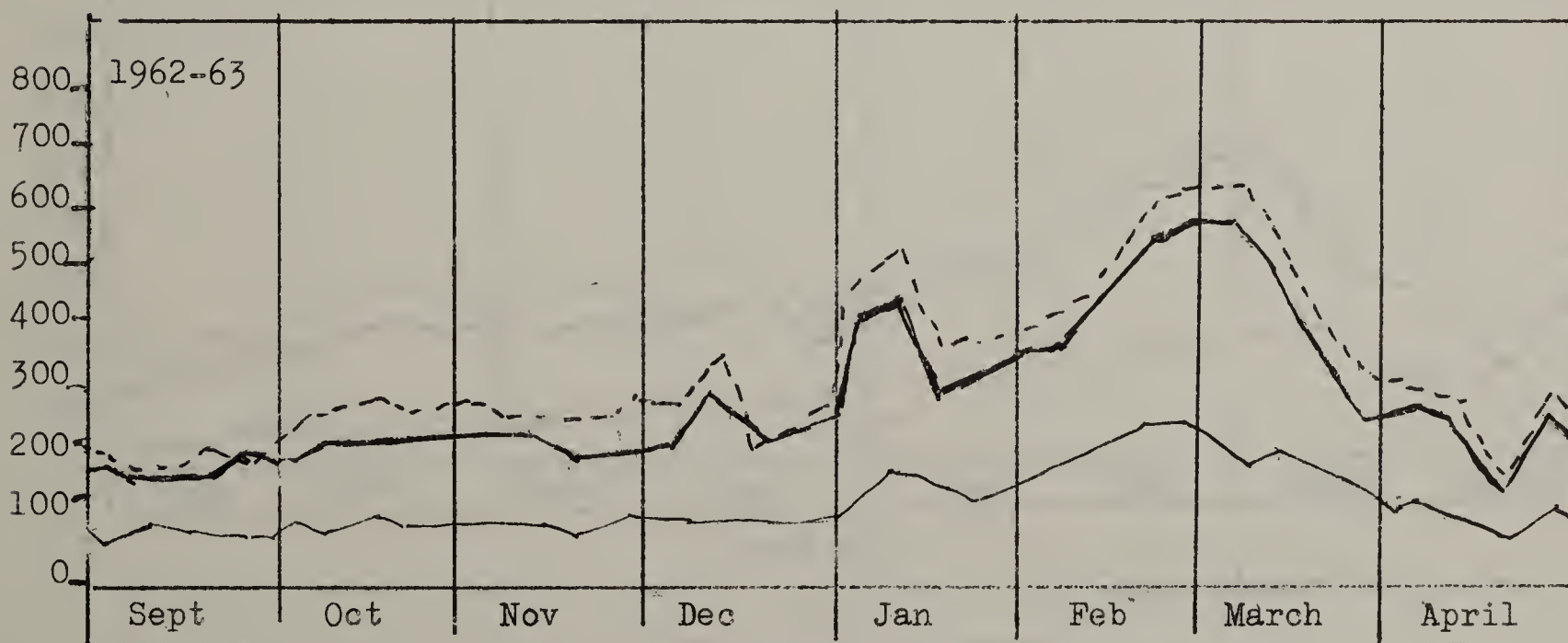


figure v

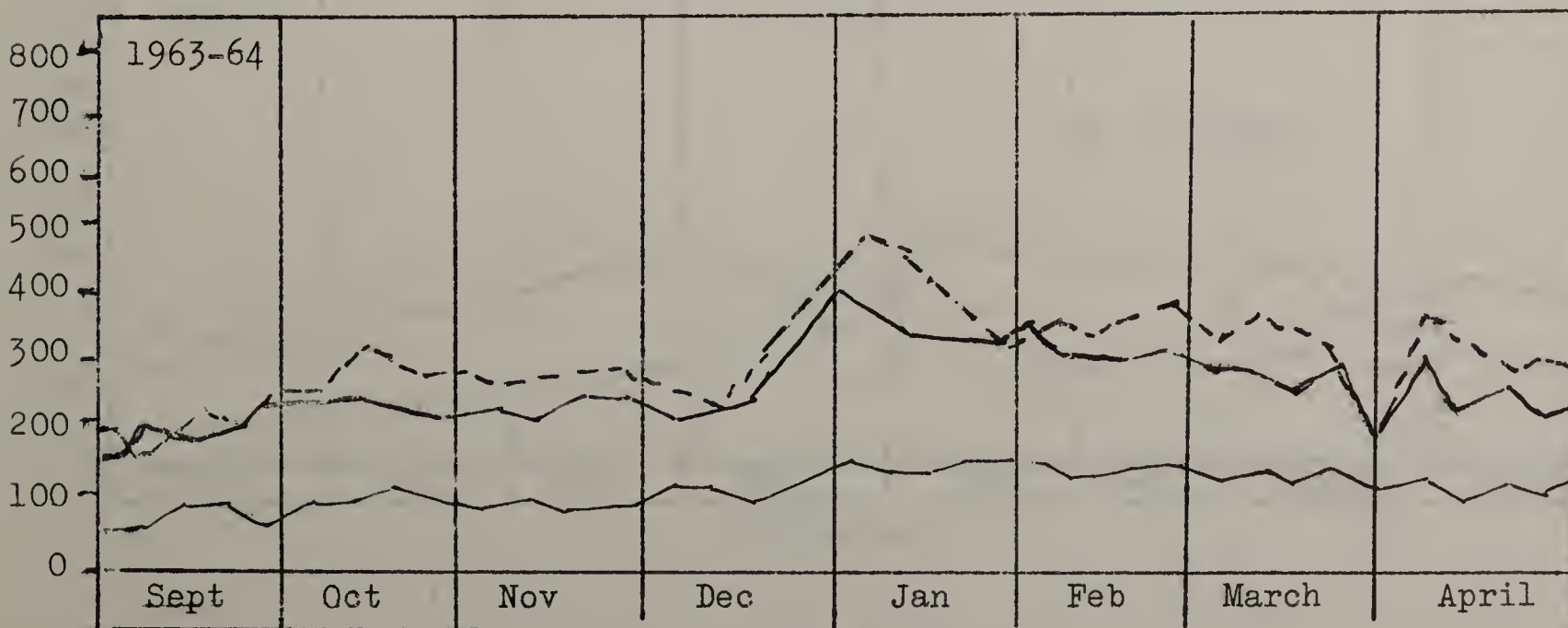


figure vi

FIRST CERTIFICATES OF INCAPACITY

Dartford
 Gravesend ———
 Sevenoaks ———

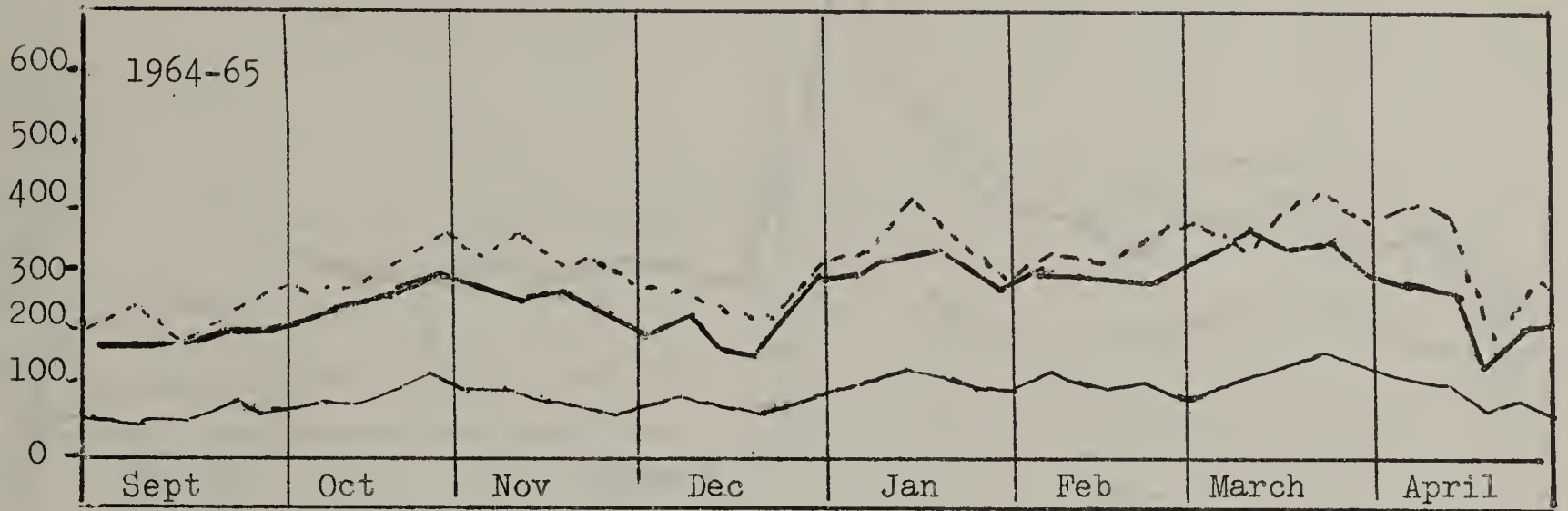


figure vii

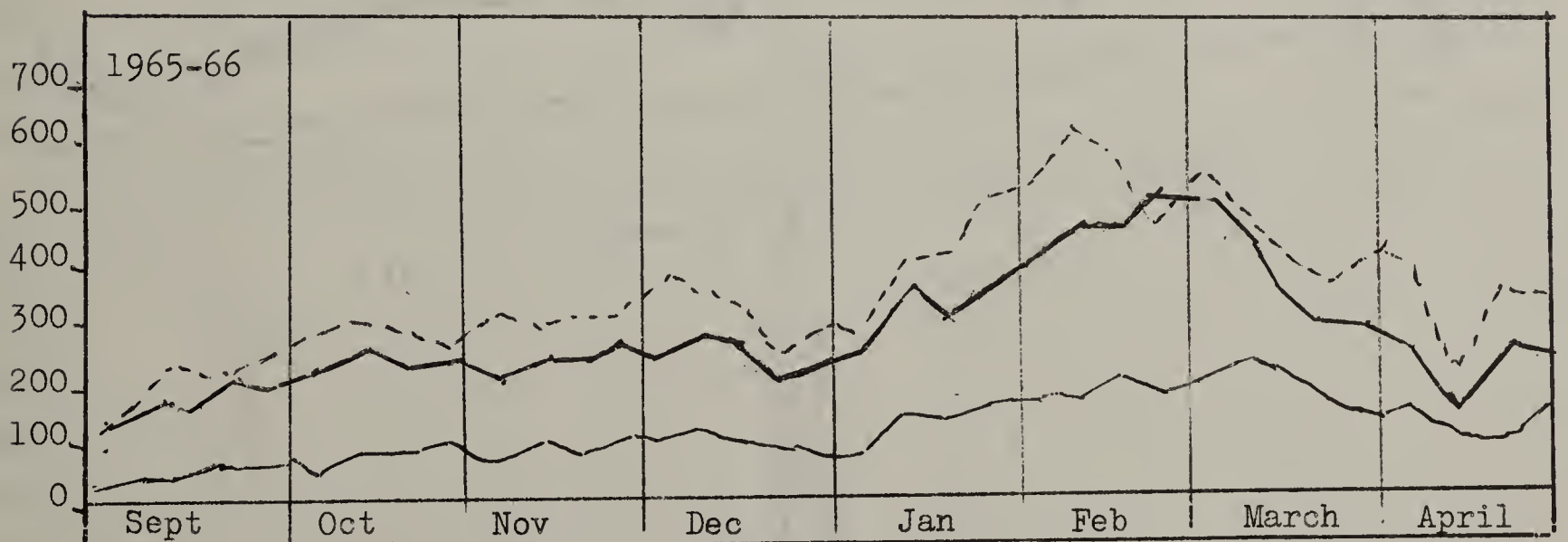


figure viii

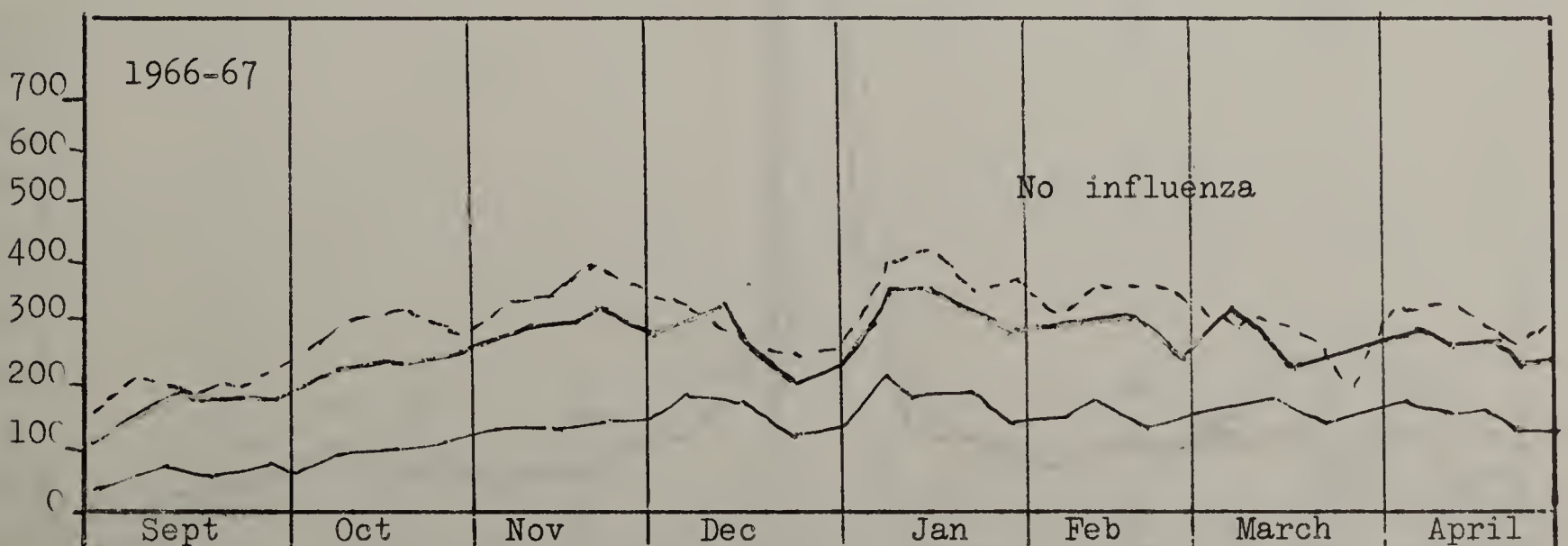


figure ix

FIRST CERTIFICATES OF INCAPACITY

Dartford
Gravesend
Sevenoaks

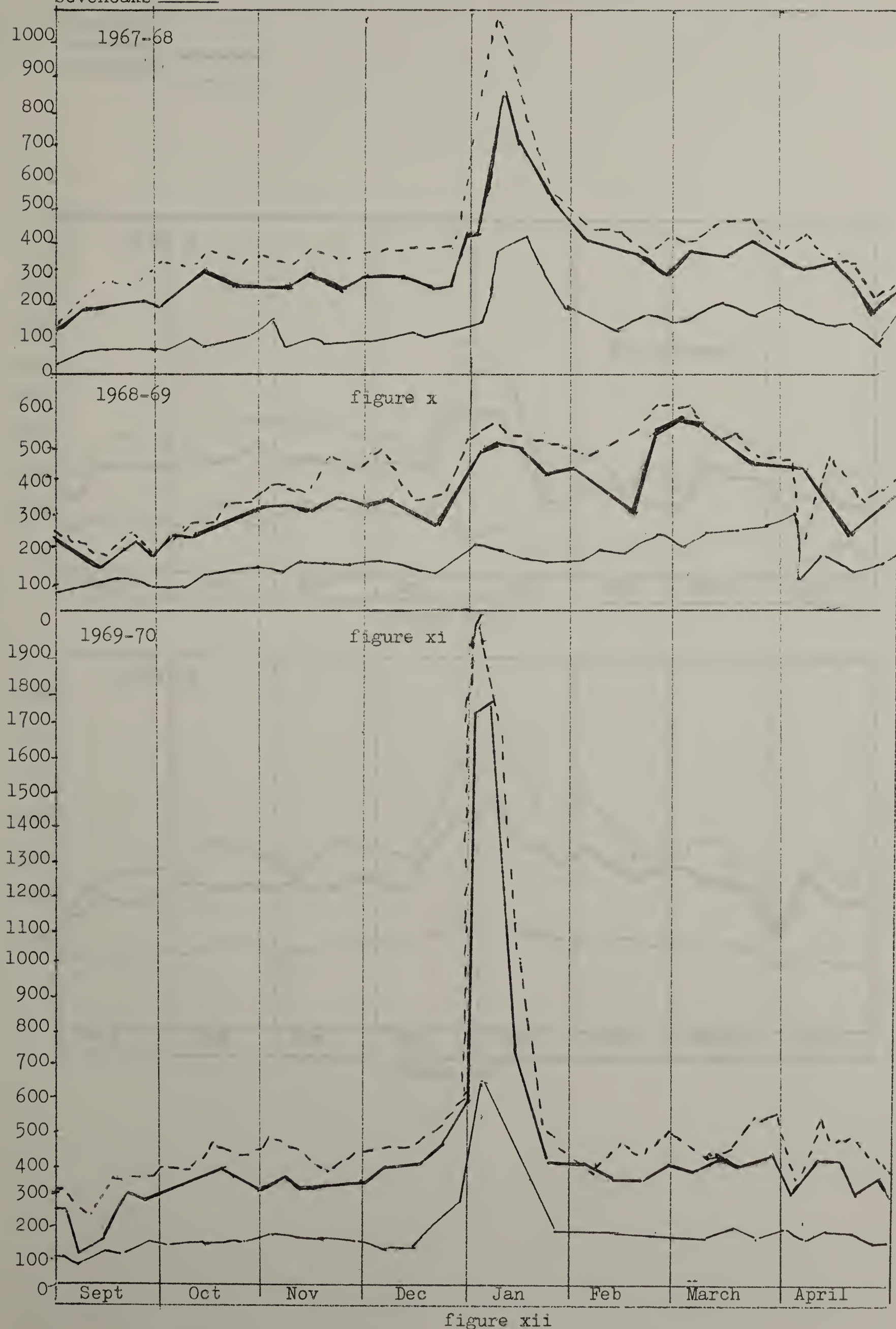


figure xii

FIRST CERTIFICATES OF INCAPACITY

Dartford
 Gravesend
 Sevenoaks

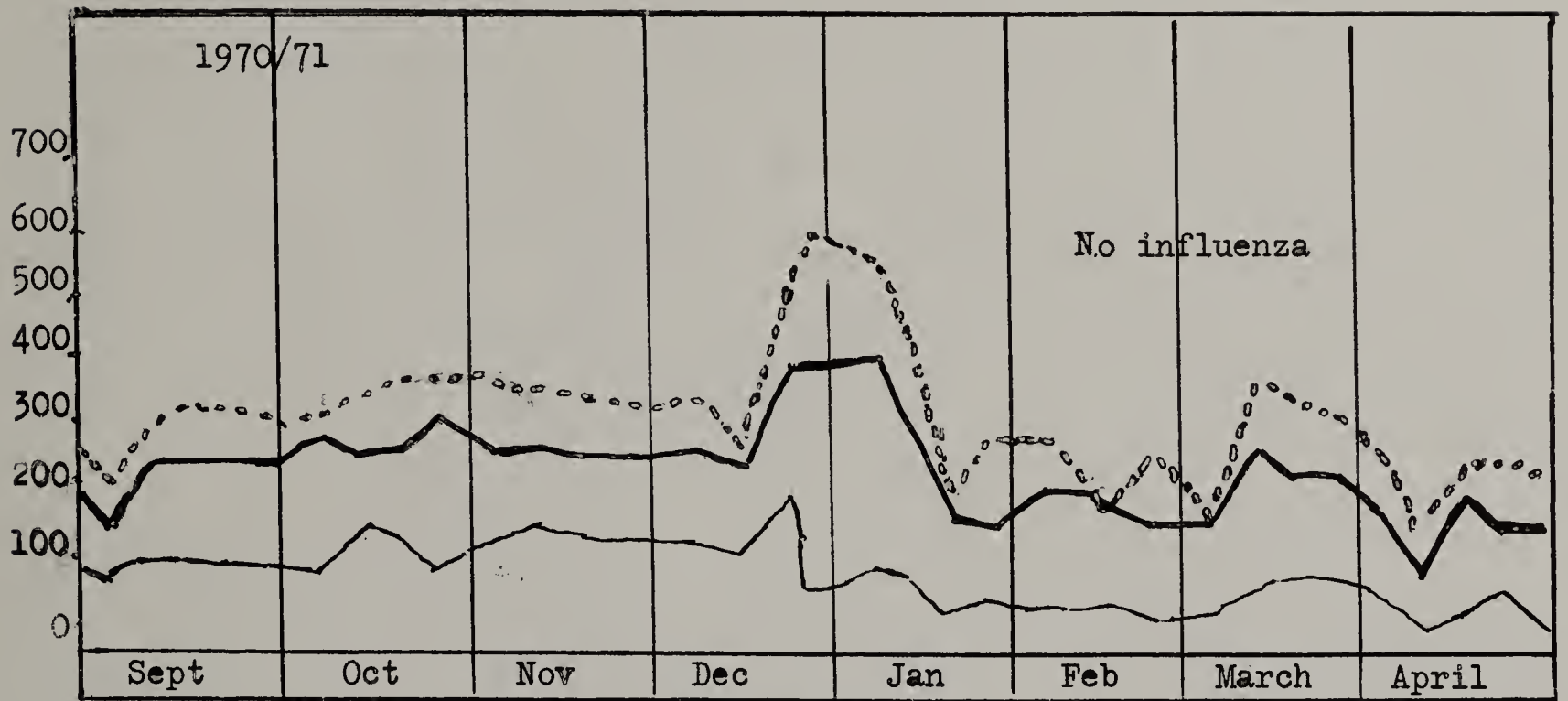


figure xiii

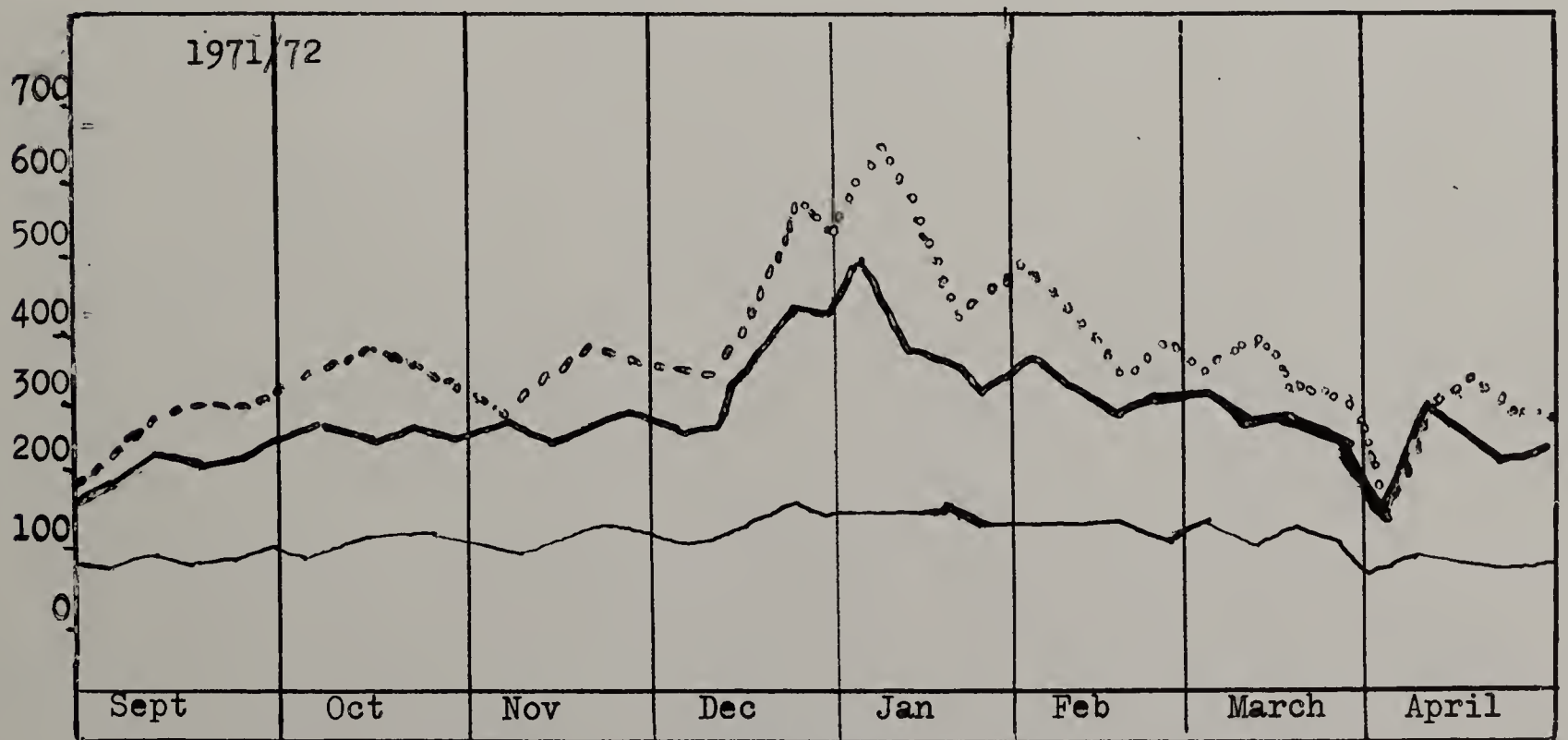


figure xiv

